REMEDIAL ACTION WORK PLAN

for

27-21 44TH DRIVE, 44-18 PURVES STREET
Block 268, Lots 4 and 23
Long Island City, Queens County, New York
NYSDEC BCP No. C241164

Prepared For:

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December 8, 2014
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LANGAN

CERTIFICATION

I, Jason J. Hayes, P.E., certify that I am currently a NYS registered professional engineer and that this Remedial Action Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

NYS Professional Engineer 089491	12-8-2014	
	Date	Signature

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
AWQS	Ambient Water Quality Standards
BCP	Brownfield Cleanup Program
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Program
C/D	Construction/Demolition
CFR	Code of Federal Regulations
CQAP	Construction Quality Assurance Plan
COC	Certificate of Completion
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbon
CSUL	Comprehensive Subsurface Utility Location
CVOC	Chlorinated Volatile Organic Compound
DER	Division of Environmental Remediation
DMM	Division of Materials Management
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
FER	Final Engineering Report
FINDS	Facility Index System/Facility Registry System
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
IRMWP	Interim Remedial Measures Work Plan
LNAPL	Light, Nonaqueous-Phase Liquid
MTBE	Methyl Tert Butyl Ether
NYCRR	New York Codes, Rules and Regulations
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	Department of Transportation
ORC	Oxygen Release Compound
OSHA	United States Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon

Acronym	Definition
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppm	Parts per million
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
QHD	Queens Highway Datum
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCA	Recycled Concrete Aggregate
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SEQRA	State Environmental Quality Review Act
SMD	Submembrane Depressurization System
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SQG	Small Quantity Generator
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

Purves Development, LLC (the owner) entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on July 1, 2014 to remediate an approximately 11,547-square-foot (sf) property (±0.27 acres) located at 27-21 44th Drive and 44-18 Purves Street in Long Island City, New York (the Site). The development plan includes three contiguous New York City (NYC) Queens Borough tax lots (Tax Block 268, Lots 4, 22, and 23); however, only Tax Lots 4 and 23 were accepted into the New York State Brownfield Cleanup Program (BCP). BCP Site No. C241164 was assigned to the Site by NYSDEC. Purves Development, LLC is a Volunteer in the BCP. Restricted-residential use is proposed for the property. When completed, the Site will be developed as a 26-story mixed-use (residential and commercial) building.

This Remedial Action Work Plan (RAWP) summarizes the nature and extent of contamination as determined from data gathered during previous investigation at the Site. The RAWP identifies and evaluates remedial action alternatives, including a Track 1 remediation, and recommends a Track 4 cleanup for addressing impacted soil, groundwater and soil vapor within the Site boundaries. The remedy described in this document is consistent with the procedures defined in DER-10 and complies with all applicable standards, criteria and guidance. The remedy described in this document also complies with all applicable Federal, State and local laws, regulations and requirements. A formal Remedial Design document will not be prepared. The RI for this Site did not identify fish and wildlife resources.

Site Description/Physical Setting/Site History

The Site is located in Queens County at 27-21 44th Drive and 44-18 Purves Street in Long Island City, New York and is identified as NYC Tax Block 268, Lots 4 and 23. The Site is bounded by Purves Street to the east, a vacant lot to the south, 44th Drive to the west and Lots 22 (vacant) and 8 (industrial 2-story building) to the north. The Site has approximately 25 feet of frontage along Purves Street and 100 feet of frontage along 44th Drive. A Site Location Map and Site Plan are provided as Figures 1 and 2, respectively.

The Site is currently improved with a vacant one-story garage/warehouse building with a basement on Lot 4. Lot 23 is vacant and partially covered with a deteriorating concrete slab that has been overgrown with vegetation. The sidewalk elevation along Purves Street (east side of the Site) is approximately el 10.5 (NAVD 88 datum). The sidewalk elevation along 44th Drive (west side of Site) is approximately el 22. The entrance to the first floor of the Lot 4 building aligns with the 44th Drive sidewalk elevation.

The Site is located in an area of historical industrial usage and has been developed as early as 1889. Historic use of Lot 4 included a garage with gasoline filling pump island, paper warehouse and photo chemical warehouse. Lot 4 contains a potential gasoline underground storage tank (UST) in the basement of the building. Historic use of Lot 23 and off-site Lot 22 included manufacturing, labs, leather goods business, and plating equipment business. In general, historic use of the Site involved the storage, application, and disposal of hazardous substances.

Lot 4 is subject to NYSDEC review under the Spills Program (Spill No. 1302045, reported on May 29, 2013). Additional detail regarding the spill is included in the previous environmental reports section below.

Summary of the Remedial Investigation

The Remedial Investigation (RI) for 27-21 44th Drive and 44-18 Purves Street Site was completed by Langan from December 2, 2013 through March 14, 2014. The RI also included investigation on Tax Block 268, Lot 22 (north of the BCP Site). The investigation included soil, groundwater and soil vapor samples which identified the following:

1. Stratigraphy: Overburden at the Site consists of an urban fill layer, potentially historic fill, beneath the Site surface cover (concrete slab in lot 4 and deteriorating concrete with overgrown vegetation in lot 23), extending to depths of approximately 8 to 11 feet bgs within lots 22 and 23, and to 5 to 11 feet bgs in lot 4. The fill layer is comprised of medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal fragments. Underlying the fill are native soil deposits comprised of gray-brown to gray-black silt or clay with some silt, trace fine sand, and trace organics. This layer was encountered below the fill layer and extended to at least 18 feet bgs. Bedrock was not encountered during this investigation; however, based on Langan's experience in this area, it is estimated to be hard sound gray schist bedrock at depths of approximately 50 to 70 feet bgs.
2. Hydrogeology: Groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 (7.95 to 3.26 feet bgs). Based on a groundwater contour derived from the March 2014 measurements, local groundwater flow is estimated to flow north to northeast.
3. Urban Fill Impacts: The fill layer contained VOC, PCB, SVOC, and metal exceedances of Unrestricted Use SCO. SVOC and metal concentrations exceeded Restricted Residential Use SCOs. The VOC (acetone) was not detected above the Restricted Residential SCO and is not a COC. The PCB was found only in the northeast corner of

the Site adjacent to Purves Street. SVOCs and metals were detected at concentrations exceeding the SCOs throughout the fill layer. Anomalously high concentrations of lead exceeding Restricted Residential Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout lot 4 and the southwest portion of lot 23. Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23.

4. Suspected UST and Petroleum Impacted Soil: One suspected UST was identified during the investigation in the western portion of lot 4. Petroleum-impacted material was identified through field observations (staining, odor, and elevated PID readings) and analytical results. The petroleum-impacted material was identified in Lot 4 near the suspected UST.

5. Groundwater Impacts: Groundwater VOC, SVOC, metal, and pesticide concentrations exceeded TOGS AWQS.

    a. PCE and TCE exceedances were found along the eastern border of the Site near Purves Street and are likely related to an off-Site source (off-Site groundwater concentrations are higher than on-Site concentrations).

    b. Petroleum related groundwater exceedances were identified in Lot 4 likely associated with the UST and historic Site operations (e.g., garage, manufacturing).

    c. Metals and SVOC contaminants in the groundwater likely arise from the quality of the fill material and are related to regional groundwater quality. The off-Site chromium exceedance in groundwater may be the result of Site activities including manufacturing, labs, leather goods business, and plating equipment business.

6. Soil Vapor Impacts: Soil vapor sample results show the presence of multiple VOCs above ambient air sample results across the Site. The highest concentrations of PCE, TCE, and BTEX concentrations were identified along the eastern boundary of the Site adjacent to Purves Street.

7. Sufficient analytical data was gathered during this RI to establish Site-specific soil cleanup levels and to develop a remedy for the Site. The remedy will be described and evaluated in a Remedial Action Work Plan (RAWP) prepared in accordance with NYS BCP guidelines. The remedy for the Site will need to address fill impacted with a VOC, PCB, SVOCs, metals and petroleum; groundwater impacted with VOCs, SVOCs, metals and a pesticide; soil vapor impacted with VOCs; and a contingency for the removal and closure of the encountered UST.

Qualitative Human Health Exposure Assessment

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. Based upon the conceptual site model and the review of environmental data, in the absence of institutional and engineering controls, complete on-site exposure pathways appear to be present in current, construction, and future conditions. The complete exposure pathways indicate there is a risk of exposure to humans from Site contaminants via exposure to soil, groundwater, and soil vapor if institutional and engineering controls are not implemented.

Current Conditions

Contaminant sources include historic fill with varying levels of VOCs, SVOCs, metals and PCBs, a potential UST, chlorinated VOCs, petroleum compounds and metals in groundwater, and PCE, TCE, and other VOCs in soil vapor.

Contaminant release and transport mechanisms include contaminated soil transported as dust and volatilization of contaminants from the soil and groundwater matrices to the soil vapor phase, and existing soil vapor contaminants. Under current conditions, the likelihood of exposure to humans is moderate. Exposure to dust from contaminated soil is limited by the site cover, which consists of a concrete slab and vegetation. The exposure risk can be avoided or minimized by following appropriate health and safety and vapor and dust suppression measures during investigation activities.

In accordance with a HASP and CAMP, measures such as conducting an air-monitoring program, donning PPE, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential exposure pathways.

Construction/Remediation Activities

During development and remediation activities, points of exposure include disturbed and exposed soil during excavation, dust and organic vapors generated during excavation activities, and contaminated groundwater that will be encountered during excavation and dewatering operations. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of organic vapors arising from contaminated soil and groundwater, and inhalation of dust arising from contaminated soil. The receptor population includes the

construction and remediation workers and, to a lesser extent, the public adjacent to the Site. All five elements exist; therefore, the potential for completed exposure pathways is present. However, the risk can be avoided or minimized by applying appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining site security, and wearing the appropriate PPE.

In accordance with a HASP, a Soil/Materials Management Plan, and a CAMP, measures such as conducting an air-monitoring program, donning PPE, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

Proposed Future Conditions

For the proposed future conditions, some residual contaminants may remain and may include those listed under current conditions. Contaminant release and transport mechanisms include volatilization of contaminants from soil vapor or the groundwater matrix to the soil vapor phase. If institutional and/or engineering controls are not implemented, points of exposure include potential cracks in the foundation or lower-level slab of the proposed development. Routes of exposure may include inhalation of vapors entering the building; these routes may not exist depending on the contaminant concentrations and building foundation porosity and ventilation. The receptor population includes the building tenants, residential property employees, and visitors. The possible routes of exposure will be avoided or mitigated by proper installation of soil vapor mitigation measures (e.g., vapor barrier, ventilation and, possibly, depressurization system) and the impermeable (concrete) site cap.

The following conclusions were developed from the human health exposure assessment:

1. There is a moderate risk of exposure under current conditions. Exposure to dust from contaminated soil is limited by the site cover, which consists of a concrete slab and vegetation. The exposure risk can be avoided or minimized by following appropriate health and safety and vapor and dust suppression measures during investigation activities.
2. There is a moderate risk of exposure during construction and remediation activities. This risk can be avoided or minimized by following the appropriate health and safety, vapor and dust suppression, and site security measures.

3. The existence of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is unlikely, as a large quantity of soil will be excavated and transported to an off-site disposal facility, groundwater is not used as a potable water source in New York City, and the potential pathway for soil vapor intrusion into the building would be addressed through the use of soil vapor mitigation measures (e.g., vapor barrier and depressurization system).
4. It is unlikely that a complete exposure pathway exists for the migration of Site contaminants to off-site human receptors for current, construction phase, or future conditions. Monitoring and control measures would be used during investigation and construction to prevent completion of this pathway. Under future conditions, the site will be remediated and institutional and engineering controls will be implemented to prevent completion of this pathway.

Summary of the Remedy

The RAWP will be executed by accomplishing the following tasks:

- Excavation as described herein and off-site disposal of soils exceeding Track 4 site-specific SCOs (Restricted-Residential Restricted Use SCOs) and grossly-impacted soil, if encountered. The existing Site structure and concrete surface cover will be demolished to facilitate excavation;
- Removal of USTs, if encountered, and closure of NYSDEC Spill No. 1302045;
- Localized dewatering, if required, will be treated as necessary prior to discharge to the municipal sewer system;
- Collection and analysis of documentation soil samples to document residual soil conditions;
- Backfilling of excavated areas to development grade with clean material meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of Protection of Groundwater SCOs or Restricted Residential SCOs), recycled concrete aggregate (RCA) or virgin crushed stone;
- Any enclosed subgrade parking garages that are included for any future on-site building(s) are required by the New York City Mechanical Code to provide ventilation;
- Installation of a site-wide vapor barrier under the Site building to protect against VOC vapor intrusion into the Site building;
- Installation of a cellar level ventilation system in areas of the Site building that will not be used as a ventilated parking garage to protect against vapor intrusion. The cellar

ventilation system will be consistent with New York City Mechanical Code for a ventilated parking garage;

- Development and implementation of plans for the protection of on-site workers, community, and environment during remediation and construction activities;
- Installation of a Site cover system consisting of either of the structures such as buildings, pavement, sidewalks comprising the site development or a minimum 2 foot thick clean soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs); and
- Implementation of long-term Institutional Controls in the form of an Environmental Easement and Site Management Plan.

1.0 INTRODUCTION

Purves Development LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on July 1 2014, to investigate and remediate an approximately 11,547-square-foot (sf) property (±0.27 acres) located at 27-21 44th Drive and 44-18 Purves Street in Long Island City, New York (the Site). The development plan includes three contiguous New York City (NYC) Queens Borough tax lots (Tax Block 268, Lots 4, 22, and 23); however, only Tax Lots 4 and 23 were accepted into the New York State Brownfield Cleanup Program (BCP). BCP Site No. C241164 was assigned to the Site by NYSDEC. Purves Development, LLC is a Volunteer in the BCP. Restricted-Residential Use is proposed for the property. When completed, the Site will be developed as a 26-story mixed-use (residential and commercial) building.

This Remedial Action Work Plan (RAWP) summarizes the nature and extent of contamination as determined from data gathered during the Remedial Investigation (RI), performed between December 2013 and March 2014. The RAWP identifies and evaluates remedial action alternatives, including a Track 1 remediation, and recommends a Track 4 cleanup for addressing impacted soil, groundwater and soil vapor within the Site boundaries. The remedy described in this document is consistent with the procedures defined in DER-10 and complies with all applicable standards, criteria and guidance. The remedy described in this document also complies with all Federal, State and local laws, regulations and requirements. A formal Remedial Design document will not be prepared. The RI for this Site did not identify fish and wildlife resources.

1.1 Site Location and Description

The approximately 11,547-square-foot Site is located at 27-21 44th Drive and 44-18 Purves Street in the Long Island City neighborhood of Queens, New York (Block 268, Lots 4 and 23). The Site is bounded by Purves Street to the east, a vacant lot to the south, 44th Drive to the west and Lot 22 (vacant) and an industrial 2-story building to the north. The Site has approximately 25 feet of frontage along Purves Street and 100 feet of frontage along 44th Drive. A Site Location Map and Site Plan are provided as Figures 1 and 2, respectively. The Site survey is provided in Appendix A.

The Site is currently improved with a vacant one-story garage/warehouse building with a basement on Lot 4. Lot 23 is vacant and partially covered with a deteriorating concrete slab that has been overgrown with vegetation. The sidewalk elevation along Purves Street (east side of the Site) is approximately el 10.5 (NAVD 88 datum). The sidewalk elevation along 44th

Drive (west side of Site) is approximately el 22. The entrance to the first floor of the Lot 4 building aligns with the 44th Drive sidewalk elevation.

The Site is located in an area of historical industrial usage and has been developed as early as 1889. Historic use of Lot 4 includes a garage with gasoline filling pump island, paper warehouse and photo chemical warehouse. Lot 4 contains a potential gasoline underground storage tank (UST) in the basement of the building. Historic use of Lot 23 and off-site Lot 22 includes manufacturing, labs, leather goods business, and plating equipment business. In general, historic use of the Site involves the storage, application, and disposal of hazardous substances.

Lot 4 is subject to NYSDEC review under the Spills Program (Spill No. 1302045, reported on May 29, 2013). Additional detail regarding the spill is included in the previous environmental reports section (Section 1.4.2).

1.2 Redevelopment Plan

The proposed development includes demolition of the existing Site building and concrete surface cover, and construction of a 26-story mixed-use (residential and commercial) building, which will encompass the entire footprint of the Site and off-site Lot 22. Development plans are still in the design phase and elevations are subject to change. The lowest level top of slab elevation for the planned development is approximately el 10, which is approximately 12 feet below the 44th Drive sidewalk. The general development excavation cut to subgrade is approximately el 8.5, with additional excavation down to el 6 over approximately 30 percent of the Site to accommodate foundation elements. Additional deeper excavations will be required for an elevator pit. General excavation for development is not anticipated below the groundwater table. Localized dewatering may be required for elevator pits. Current schematic design includes a ventilated parking garage and mechanical space throughout the lowest level of the Site. Proposed schematic development plans are provided in Appendix B and a development plan overview is provided as Figure 3.

1.3 Description of Surrounding Property

The Site is located in an urban setting that is characterized by commercial and manufacturing development, and has recently undergone residential and commercial development due to rezoning. The surrounding property usage is summarized below:

DIRECTION	ADJACENT PROPERTIES	SURROUNDING PROPERTIES
North	A two-story commercial building identified as "JME Enterprises, Inc." and "L.I.C Auto Repair" and a one-story commercial building identified as	Multi-story residential/commercial buildings with ground-level commercial space

DIRECTION	ADJACENT PROPERTIES	SURROUNDING PROPERTIES
	"Queens Plaza Automotive Warehouse"	
South	Vacant lots	Multi-story residential/commercial buildings and vacant lots
East	Purves Street and a two-story commercial building identified as "Sculpture Center"	Multi-story residential/commercial buildings and vacant land
West	One-story garage identified as "Global Auto Electric d/b/a Manny Auto Electric"	Multi-story residential/commercial buildings with ground-level commercial space

The surrounding area is highly urbanized and characterized by major infrastructure, including subway tunnels and elevated subway lines, underground utility lines, storm drains, and sewers. The presence of underground infrastructure may influence contaminant migration from potential up-gradient sources. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 200 feet northwest of the Site.

Sensitive receptors within a half mile of the Site are listed in the following table:

NUMBER	NAME (Approximate distance from Site)	ADDRESS
1	LaGuardia Community College Pre-School (1,050 feet southeast)	31-10 Thomson Avenue, Long Island City, New York 11101
2	Frank Sinatra High School (1,300 feet southeast)	30-20 Thomson Avenue, Long Island City, New York 11101
3	Information Technology High School (1,480 feet northwest)	21-16 44th Road, Long Island City, New York 11101
4	Robert F. Wagner Secondary School (2,112 feet southeast)	47-07 30th Place, Long Island City, New York 11101
5	Newcomers High School (2,112 feet northeast)	28-01 41st Avenue, Long Island City, New York 11101
6	Academy of American Studies High School (2,200 feet northeast)	28-04 41st Avenue, Long Island City, New York 11101
7	LaGuardia Community College High School (2,500 feet southeast)	45-35 Van Dam Street, Long Island City, New York 11101
8	YMCA of Greater New York (2,600 feet east)	32-23 Queens Blvd., Long Island City, New York 11101

1.4 Site History

1.4.1 Past Uses and Ownership

The Site is located in an area of historical industrial usage and has been developed since as early as 1889. The area is now a densely developed urban area. Lot 4 was improved with a one-story building, from at least 1941, that extended east onto off-site Lot 22. The structure on Lot 23 was demolished circa 1970 and the Lot has been used for storage or been vacant ever since. Off-site Lot 22 was improved with a multiple-story building between 1924 and 2006.

Historic use of Lot 4 included a garage with gasoline filling pump island, paper warehouse and photo chemical warehouse. Lot 4 is expected to contain a gasoline UST beneath the basement of the building. Historic use of Lot 23 and off-site Lot 22 includes manufacturing, labs, leather goods business, and plating equipment business. In general, historic use of the Site involved the storage, application, and disposal of hazardous substances.

Lot 4 is subject to NYSDEC review under the Spills Program (Spill No. 1302045, reported on May 29, 2013). Additional detail regarding the spill is included in the previous environmental reports section below.

Adjacent and surrounding properties were historically used for industrial and manufacturing purposes. Sanborn maps indicate surrounding properties were used for a chemical laboratory, gasoline storage, multiple auto body/repair shops, an oil burning utility company, iron works, and a printing facility.

1.4.2 Previous Environmental Reports

Previous environmental reports were reviewed as part of the preparation of this RAWP. Copies of these reports are provided in Appendix C. Environmental reports prepared for the Site include the following:

- *October 2013 Phase II Subsurface Investigation, prepared by Environmental Business Consultants (EBC)*
- *January 2014 Phase I Environmental Site Assessment (ESA) Report, prepared by Langan*

These reports are summarized below and are included in Appendix C.

1.4.2.1 Phase II Subsurface Investigation, October 2013

This subsurface investigation was performed by EBC to investigate environmental conditions identified in an October 2011 Phase I ESA prepared by EBC for Lot 4 and to investigate general environmental conditions on Lot 23. The Phase II also included investigation on off-site Lot 22 (north of the Site). The October 2011 Phase I was not available for review. The Phase II report included a brief summary of the 2011 Phase I ESA which identified previous Site uses including: a photo chemical warehouse, garage with a gasoline tank, paper warehouse, metal plating facility, welding and repair shop, leather goods building. The suspected gasoline UST on Lot 4 was identified as a REC.

The Phase II investigation included collection and analysis of soil and groundwater samples. Observations and laboratory results are summarized by media type below.

- *Soil* – Petroleum staining and odor was identified in the vicinity of the underground tanks on southwestern side of Lot 4. Field screening with a photoionization detector (PID) found readings up to 300 ppm. Additionally, elevated concentrations of petroleum volatile organic compounds (VOC) were detected within one soil sample collected adjacent to the tanks; however, only n-propylbenzene was reported above Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 (6 NYCRR Part 375)

Unrestricted Use Soil Cleanup Objectives (SCO). Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned. Soil samples collected on Lot 23 and off-site Lot 22 identified detections of chlorinated VOCs; however, chlorinated concentrations were below New York State's Unrestricted Use SCOs. Metals were not analyzed as part of this investigation.

- *Groundwater* – Chlorinated VOCs were identified in groundwater above New York State groundwater standards. PCE concentrations ranged from non-detect on-site along the southwestern portion of the Site to 950 µg/L off-site in the northeastern portion of off-site Lot 22. TCE concentrations ranged from non-detect on-site along the southwestern portion of the Site to 150 µg/L off-site in the northeastern portion of off-site Lot 22. Additionally, several petroleum VOCs and semi-volatile organic compounds (SVOC) were identified above New York State groundwater standards in the vicinity of the suspected tank in Lot 4.

1.4.2.2 Phase I Environmental Site Assessment, January 2014

A Phase I ESA was completed by Langan in accordance with requirements of ASTM 1527-05 and 1527-13. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report followed the current ASTM 1527-13 terminology. The Phase I ESA report also included investigation on off-site Lot 22 (north of the Site). The report identified the following RECs:

- *REC 1 – Historic Site Use* - Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lot 23 and off-site Lot 22 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, off-site Lot 22 was identified as a welding and repairs facility with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances.
- *REC 2 – Documented Site Contamination* - Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum VOC were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater.
- *REC 3 – NYSDEC Spill and Potential On-Site UST* - A gasoline UST is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and a previous report indicated the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible

immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum VOCs were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the NYSDEC and Spill No. 1302045 was assigned.

- *REC 4 – Surrounding Property Use* - Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works, drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. A Brownfield Cleanup Program site with documented soil and groundwater contamination was identified on the adjacent property to the south of the Site. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Additionally, a Voluntary Cleanup Program site contaminated with creosote, petroleum and solvents was identified approximately 1,400 feet northeast of the site.

1.4.3 Sanborn Maps

All Sanborn Maps available for this Site were reviewed prior to preparation of the RAWP. The Sanborn Maps are provided in Appendix D. Review of the features shown on the Sanborn Maps is described in the Langan Phase I EAS and is consistent with the Site history provided in this RAWP.

1.5 Significant Threat

The RI Report was submitted for review by NYSDEC and the New York State Department of Health (NYSDOH) on July 15, 2014. NYSDEC and NYSDOH have determined that this Site does not pose a significant threat to human health or the environment. Notice of the significant threat determination was provided to the public in a Fact Sheet dated September 2014.

2.0 DESCRIPTION OF REMEDIAL INVESTIGATION FINDINGS

Langan conducted a remedial investigation between December 2 and 13, 2013 and March 7 and 14, 2014 to characterize the nature and extent of contamination at the Site. Investigation activities included a geophysical survey, soil boring advancement, monitoring well installation, soil vapor probe installation, and collection of soil, groundwater and soil vapor samples.

The RI was conducted in accordance with 6 NYCRR Part 375, the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010), the NYSDEC Draft Brownfield Cleanup Program Guide (May 2004), and NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).

2.1 Field Investigation

The RI consisted of the following:

- A geophysical survey;
- Advancement of ten on-site soil borings (EB02 through EB05 and SB02, and SB05 through SB09) and collection of 23 soil samples, including two duplicate samples;
- Advancement of five off-site soil borings (EB01, EB06, SB01, SB03, and SB04) and collection of 11 soil samples;
- Collection of eight groundwater samples, including two duplicates, from on-site monitoring wells (MW02, MW06, MW07, and MW09 through MW11);
- Collection of three groundwater samples from off-site monitoring wells (MW01, MW03, and MW08);
- Survey of on-site and off-site groundwater monitoring wells to determine local groundwater flow direction;
- Installation of ten on-site soil vapor probes (SV02 through SV11) and collection of ten on-site soil vapor samples and two ambient air samples; and
- Installation of one off-site soil vapor probe (SV01) and collection of one off-site soil vapor sample.

2.1.1 Geophysical Investigation

On December 2, 2013, prior to initiating intrusive subsurface activities for the RI, Nova Geophysical Services (Nova) of Douglaston, New York completed a geophysical survey of the Site. Langan was on-site to document the survey. The survey used ground-penetrating radar (GPR) to identify potential USTs and locate buried utilities in the vicinity of each boring location.

The geophysical survey identified utilities located through the project area and proposed boring locations were relocated to avoid potential utility conflicts. Note that a clear geophysical signal was not possible in the area of the potential gasoline UST due to accumulated water on the basement floor in the western portion of Lot 4 along 44th Drive.

On March 6, 2014, prior to initiating additional subsurface activities for the second sampling event, Nova scanned along the 27-21 44th Drive sidewalk to identify potential USTs and locate buried utilities in the vicinity of boring location EB01/MW08.

2.1.2 Drilling and Soil Logging

The soil investigation included fifteen environmental soil borings (SB01 through SB09 and EB01 through EB06). The borings advanced between December 2 and 13, 2013 were completed by Laurel Environmental Associates, Ltd. (Laurel) of Huntington Station, New York and borings advanced between March 7 and 14, 2014 were completed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York. Langan was on-site to document boring activities and collect samples. Soil borings were completed to depths between 10 and 18 feet bgs using direct-push Geoprobe® 6610DT and 7822DT boring rigs.

Seventeen soil samples (one to three samples per soil boring, plus one duplicate sample) were collected during the sampling event between December 2 and 13, 2013. Seventeen soil samples (two to three samples per boring, including one duplicate) were also collected during the sampling event between March 7 and 14, 2014. Generally, one sample was collected from shallow fill (0-2 feet bgs), one sample from the depth interval exhibiting the highest degree of contamination (e.g. staining, odor or elevated PID readings) or at the groundwater interface, and one sample from the boring terminus.

Soil samples were analyzed for NYSDEC Part 375 VOCs by Environmental Protection Agency (EPA) Method 8260, SVOCs by EPA Method 8270, polychlorinated biphenyls (PCB) by EPA Method 8082, pesticides by EPA 8081A, and metals by EPA Methods 6010B/7471A. Samples submitted for VOC analysis were collected directly into EnCore® samplers.

2.1.3 Groundwater Monitoring

A total of nine monitoring wells (MW01 through MW03 and MW06 through MW11) were installed during the RI. MW04 and MW05 were omitted from the number system. The monitoring wells extended to approximately 10 to 18 feet bgs and were constructed with one-inch diameter, Schedule 40, polyvinyl chloride (PVC) pipe with five or ten feet of pre-packed, 0.01-inch slotted screens. The monitoring wells were screened across the water table interface to allow for the monitoring of light non-aqueous phase liquid (LNAPL), if present.

Groundwater monitoring wells were developed after installation. Following installation and development, wells were allowed to recover for at least one week before groundwater was purged and sampled. On December 10, 2013 and March 14, 2014, monitoring wells were surveyed by a New York State-licensed surveyor to identify groundwater elevations and groundwater flow direction at the Site. Prior to sampling, the static water level was measured to the nearest 0.01 ft with a decontaminated oil/water interface probe.

A sample was collected from wells MW01, MW02, MW03, MW06 (plus duplicate), and MW07 on December 10, 2013 and from MW08, MW09, MW10, and MW11 (plus duplicate) on March 14, 2014. Sampling was completed in accordance with procedures set forth the EPA's low-flow groundwater sampling procedure to allow for collection of a representative sample ("Low-Flow [Minimal Drawdown]) Ground-Water Sampling Procedures", EPA/540/S-95/504, April 1996. A peristaltic pump and dedicated polyethylene tubing were used to collect the samples. Purging consisted of pumping, at minimum, the stabilized drawdown volume plus the pump's tubing volume, and waiting until the physical and chemical parameters (e.g., temperature, dissolved oxygen, oxygen reduction potential, turbidity, and hydrogen ion concentration [pH]) stabilized. Groundwater samples were collected directly from the pump discharge line into pre-cleaned, laboratory-provided containers.

The sample containers were labeled, placed in a laboratory-supplied cooler, and packed on ice (to maintain a temperature of 4°C). Sample coolers were picked up at the Site by a laboratory courier and delivered to Alpha under standard chain of custody protocol for analysis of TCL VOCs via EPA Method 8260, TCL SVOCs via EPA Method 8270, PCBs via EPA Method 8082A, pesticides via EPA Method 80801B, and dissolved (filtered) and unfiltered TAL metals via EPA 6000/7000 Series Methods.

2.1.4 Soil Vapor Investigation

Four soil vapor points were installed on December 3, 2013 by Laurel and seven soil vapor points were installed on March 7, 2014 by AARCO. Installation and sampling logs are included in Appendix G of the September 2014 Remedial Investigation Report (RIR). Vapor points beneath the existing Lot 4 slab were installed to depths between one and two feet below the basement slab (rather than "sub-slab soil vapor" points installed immediately below the basement slab) based on proposed development excavation and due to the proximity of the groundwater table. Ten on-site soil vapor samples, one off-site soil vapor sample, and two outdoor/ambient air samples were collected and submitted to Alpha for analysis of VOCs via EPA Method TO-15.

2.1.5 Summary of Remedial Investigation Findings

RI findings and conclusions include the following:

1. Stratigraphy: Overburden at the Site consists of an urban fill layer, potentially historic fill, beneath the site surface cover (concrete slab in lot 4 and deteriorating concrete with overgrown vegetation in lots 22 and 23), extending to depths of approximately 8 to 11 feet bgs within lots 22 and 23, and to 5 to 11 feet bgs in lot 4. The fill layer is comprised of medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal fragments. Underlying the fill are native soil deposits comprised of gray-brown to gray-black silt or clay with some silt, trace fine sand, and trace organics. This layer was encountered below the fill layer and extended to at least 18 feet bgs. Bedrock was not encountered during this investigation; however, based on Langan's experience in this area, it is estimated to be hard sound gray schist bedrock at depths of approximately 50 to 70 feet bgs.
2. Hydrogeology: Groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 (7.95 to 3.26 feet bgs). Based on a groundwater contour derived from the March 2014 measurements, local groundwater flow is estimated to flow north to northeast.
3. Urban Fill Impacts: The fill layer contained VOC, PCB, SVOC, and metal exceedances of Unrestricted Use SCO. SVOC and metal concentrations exceeded Restricted Residential Use SCOs. The VOC (acetone) was not detected above the Restricted Residential SCO and is not a COC. The PCB was found only in the northeast corner of the Site adjacent to Purves Street. SVOCs and metals were detected at concentrations exceeding the SCOs throughout the fill layer. Anomalously high concentrations of lead exceeding Restricted Residential Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout lot 4 and the southwest portion of lot 23. Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23
4. Suspected UST and Petroleum Impacted Soil: One suspected UST was identified during the investigation in the western portion of lot 4. Petroleum-impacted material was identified through field observations (staining, odor, and elevated PID readings) and analytical results. The petroleum-impacted material was identified in Lot 4 near the suspected UST.
5. Groundwater Impacts: Groundwater VOC, SVOC, metal, and pesticide concentrations exceeded TOGS AWQS.
    a. PCE and TCE exceedances were found along the eastern border of the site near Purves Street and are likely related to an off-site source (off-site groundwater concentrations are higher than on-site concentrations).

b. Petroleum related groundwater exceedances were identified in Lot 4 likely associated with the UST and historic site operations (e.g., garage, manufacturing).

c. Metals and SVOC contaminants in the groundwater likely arise from the quality of the fill material and are related to regional groundwater quality.

6. Soil Vapor Impacts: Soil vapor sample results show the presence of multiple VOCs above ambient air sample results across the site. The highest concentrations of PCE, TCE, and BTEX concentrations were identified along the eastern boundary of the site adjacent to Purves Street.

7. Sufficient analytical data was gathered during this RI to establish site-specific soil cleanup levels and to develop a remedy for the site. The remedy will be described and evaluated in a RAWP prepared in accordance with NYS BCP guidelines. The remedy for the site will need to address fill impacted with a VOC, PCB, SVOCs, metals and petroleum; groundwater impacted with VOCs, SVOCs, metals and a pesticide; soil vapor impacted with VOCs; and a contingency for the removal and closure of the encountered UST.

2.2 Geological Conditions

Provided below is a description of the stratigraphic layers and hydrogeology observed in the Site subsurface. Three site-specific geologic units were described the RI. These units are listed in depth order (shallow to deep):

- Urban fill
- Native Soil Layers
- Bedrock

2.2.1 Urban Fill

A layer of urban fill ranging from about 8 to 11 feet bgs (el 3.5 to el 0.5 NAVD88) was encountered in borings within Lots 22 and 23. Fill was identified to depths of 5 to 11 feet bgs (el 3.6 to el -2.4) in Lot 4. This layer generally consisted of medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal fragments.

2.2.2 Native Soil Layers

The fill is underlain by a layer of gray-brown to gray-black silt or clay layer with some silt, trace fine sand, and trace organics. This layer was encountered below the fill layer and extended to at least 18 feet bgs.

2.2.3 Bedrock

Bedrock was not encountered during the RI; however, the depth to bedrock in this area is estimated to range from about 40 to 60 feet bgs based on Langan's experience. Bedrock is anticipated to consist of predominantly hard sound gray schist.

2.2.4 Hydrogeology

Synoptic groundwater measurements were collected from nine wells on December 10, 2013 and March 14, 2014. Based on the most recent measurements, groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 NAVD88. Based on a groundwater contour derived from the March 2014 measurements, groundwater is estimated to flow north to northeast across the majority of the Site.

Groundwater flow may be locally affected by the presence of a combined sewer line that runs adjacent to the Site beneath the western Purves Street sidewalk. According to NYCDEP records, the sewer was constructed circa 1911 of reinforced concrete pipe and during Site investigation activities on the adjacent property to the south, construction crews were observed repairing what appeared to be a surficial breach or cave in. Wastewater flows north within the sewer. The sewer is 42 inches in diameter and has an invert elevation of about 3 feet.

2.3 Contaminant Conditions

2.3.1 Conceptual Site Model

A conceptual Site model has been developed based on the findings of the RI. The purpose of the conceptual Site model is to develop a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways, as discussed below.

Potential Sources of Contamination

Potential sources of contamination at the Site have been identified in Section 1.4 and are based on investigations completed for the Site. The potential sources of contamination were identified as historic use of the Site, potential UST, groundwater contamination (likely from an off-site source), and urban fill.

Exposure Media

The impacted media include soil, soil vapor, and groundwater. Analytical data indicate that the fill material underlying the Site is contaminated with one or more VOC, PCB, SVOC and metals.

Groundwater impacts include a pesticide, VOCs and metals. Soil vapor across the Site is contaminated with VOCs.

Because VOCs are present at elevated concentrations in soil vapor, there is a potential, in the absence of remediation, engineering and/or institutional controls, for vapors to accumulate under the proposed building slabs and impact indoor air within the proposed building.

Receptor Populations

Lot 4 is currently vacant and capped with asphalt and concrete. The lot 4 building is locked. Lot 23 is vacant and partially capped with deteriorating concrete and overgrown with vegetation. The owner is currently pursuing fencing to enclose lots 22 and 23 in preparation for development. Human receptors are currently limited to occasional Site visitors and workers involved in pre-development (e.g., investigation) activities. During Site development, human receptors will be limited to construction and remediation workers, authorized guests visiting the Site and the public adjacent to the Site. Under future conditions, receptors will include the new building tenants, workers, and visitors to the residential properties including children.

2.3.2 Description of Areas of Concern

2.3.2.1 AOC-1: Known Groundwater Impacts

Previous investigations at the Site identified groundwater exceedances of petroleum-related compounds identified on the western side of Lot 4 (near the potential UST) and on the northeastern side of Lot 4. Chlorinated solvent groundwater concentrations were highest in MW1, the off-site and most eastern monitoring well. Concentrations of chlorinated solvents in the groundwater decreased towards the west. In addition, soil samples did not indicate elevated levels of contaminants relating to the chlorinated solvents. This indicates a potential off-site source.

Other groundwater impacts from SVOCs and metals (iron, manganese and sodium) are attributed to regional conditions and the general quality of fill in this area of New York City.

2.3.2.2 AOC-2: Potential UST and Petroleum-Impacted Soil in the Western Portion of Lot 4

Field observations from the RI indicate a petroleum release from the suspected UST. Analytical results from samples collected near the suspected tank (western portion of Lot 4) found VOC and SVOC impacts in soil, soil vapor and/or groundwater. Petroleum impacts appear to be

delineated because impacts were not observed in the 44th Drive sidewalk boring and groundwater monitoring well.

2.3.2.3 AOC-3: Soil Vapor Contamination

Field observations from the RI indicate a petroleum release from the suspected UST. Soil vapor analytical results were compared to ambient air collected on each day of sampling. Several VOCs, including petroleum and chlorinated-solvent related VOCs, exceeding the background concentrations were detected in soil vapor samples throughout the Site. PCE, TCE and benzene, toluene, ethylbenzene and xylene (BTEX) were detected in the soil vapor samples at greater concentrations than the ambient air sample and are considered the primary soil vapor contaminants of concern. PCE was found in all soil vapor samples, including ambient air, except for SV05 and ranged from 2.04 µg/m^3 (SV04) to 652 µg/m^3 (SV10). At soil vapor point SV10, PCE was detected at a concentration 153 times greater than ambient air and BTEX was detected at a concentration of 1,323.9 µg/m^3 (229 times greater than ambient air). TCE was found in three soil vapor samples and ranged from 11.1 µg/m^3 (SV01) to 54.8 µg/m^3 (SV10).

2.3.2.4 AOC-4: Urban Fill

During the RI, anomalously high concentrations of lead exceeding Restricted-Residential Restricted Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout Lot 4 and the southwest portion of Lot 23. Anomalously high concentrations of chromium exceeding Restricted-Residential Restricted Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23.

2.3.3 Nature and Extent of Contamination

This section evaluates the nature and extent of soil, groundwater and soil vapor contamination at the Site.

2.3.3.1 Soil

The following contaminants were identified on-site during previous investigation in excess of NYSDEC Part 375 Unrestricted Use SCOs and compounds that exceed Restricted-Residential Restricted Use SCOs are **bold**:

VOCs

- acetone (not a contaminant of concern)

SVOCs

- phenol
- **benzo(a)anthracene**
- **benzo(a)pyrene**
- **benzo(b)fluoranthene**
- benzo(k)fluoranthene
- **chrysene**
- **indeno(1,2,3-cd)pyrene**
- **dibenzo(a,h)anthracene**
- 3-methylphenol/4-methylphenol

These SVOCs are typically found in historic fill throughout New York City. Although these compounds can be associated with motor vehicle exhausts and fuels, they are likely incomplete combustion byproducts from the burning of wood or coal that were a component of the backfill source use for Site infilling. SVOC exceedances were limited to shallow fill in Lot 4.

Metals

- **arsenic**
- **barium**
- hexavalent chromium
- **trivalent chromium**
- **copper**
- **manganese**
- nickel
- silver
- **lead**
- **mercury**
- selenium
- zinc

Metal concentrations above the Restricted-Residential Restricted Use SCOs were detected within the soil/fill throughout the Site at depths ranging from surface grade to 10 feet bgs. The potential source of metals contamination is likely the quality of historic fill. Anomalously high and potentially hazardous concentrations of lead were identified throughout Lot 4.

Pesticides

- No pesticide exceedances.

PCBs

- Aroclor 1260

The PCB concentrations did not exceed the Restricted-Residential Restricted Use SCO and was only identified in one sample from one boring in Lot 23.

2.3.3.2 Groundwater Contamination

The following groundwater contaminants were identified above Class GA TOGS AWQS:

VOCs

- 1,1,1-trichloroethane
- sec-butylbenzene
- 1,2,4-trimethylbenzene
- isopropylbenzene
- n-butylbenzene
- n-propylbenzene
- PCE
- toluene
- TCE

- cis-1,2-dichloroethene

On-site soil sampling did not reveal a source of chlorinated VOCs. Based on soil and groundwater sampling results and field observations, the source of the chlorinated VOC contamination appears to be off-site.

Petroleum VOCs were identified in the western portion of Lot 4 and along the northern portion of lot 4. Petroleum VOC Impacts may be attributed to a potential tank and/or Site operations.

SVOCs

- benzo(a)pyrene
- benzo(b)fluoranthene
- indeno(1,2,3-cd)pyrene
- phenol

PCBs

- No PCB exceedances were identified.

Pesticides

- Alpha-BHC

Alpha-BHC was detected at one location in Lot 4 at concentrations less than an order of magnitude above the standard. No pesticide soil exceedances were identified at the Site.

Metals (Filtered)

- manganese
- iron
- sodium

Manganese, iron and sodium were detected across the Site at levels consistent with regional groundwater quality.

2.3.3.3 Soil Vapor Contamination

Ten on-site soil vapor samples and two ambient air sample were collected over two days during the RI and were submitted for laboratory analyses of VOCs. Soil vapor analytical results were compared to ambient air collected during each day of sampling.

During the December 10, 2013 sampling event, VOCs detected at greater concentrations in soil vapor than ambient air include:

- 1,1,1-trichloroethane
- 2,2,4-trimethylpentane
- acetone

- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- 1,3-butadiene
- chloroform
- cyclohexane
- methyl tert butyl ether
- o-Xylene
- PCE
- 2-butanone
- 4-ethyltoluene
- 4-methyl-2-pentanone
- ethanol
- ethylbenzene
- methylene chloride
- p- & m- xylenes
- TCE
- benzene
- carbon disulfide
- tetrahydrofuran
- heptane
- isopropanol
- n-hexane
- propylene
- toluene

During the March 7, 2014 sampling event, VOCs detected at greater concentrations in soil vapor than ambient air include:

- 1,1,1-trichloroethane
- 1,1-dichloroethane
- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- 1,3-butadiene
- 2-butanone
- ethylbenzene
- isopropanol
- p/m-xylene
- PCE
- TCE
- 4-ethyltoluene
- 4-methyl-2-pentanone
- acetone
- benzene
- bromomethane
- carbon disulfide
- Freon-113
- n-hexane
- styrene
- tetrahydrofuran
- trichlorofluromethane
- carbon tetrachloride
- chloroform
- cyclohexane
- dichlorodifuoromethane
- ethanol
- ethyl acetate
- heptane
- o-xylene
- tertiary butyl alcohol
- toluene
- vinyl chloride

Total VOCs ranged from 181.11 µg/m^3 in SV02 (central portion of Lot 23) to 2,563.02 µg/m^3 in SV10 (southeastern portion of Lot 23). PCE, TCE and benzene, toluene, ethylbenzene and xylene (BTEX) were detected in the soil vapor samples at greater concentrations than the ambient air sample and are considered the primary soil vapor contaminants of concern. PCE was found in all soil vapor samples, including ambient air, except for SV05 and ranged from 2.04 µg/m3 (SV04) to 652 µg/m3 (SV10). At soil vapor point SV10, PCE was detected at a concentration 153 times greater than ambient air and BTEX was detected at a concentration of 1,323.9 µg/m3 (229 times greater than ambient air). TCE was found in three soil vapor samples and ranged from 15.2 µg/m3 (SV04) to 54.8 µg/m3 (SV10).

2.4 Qualitative Human Exposure Assessment

To evaluate contaminant fate and transport and potential human exposure risk, this section discusses identified receptor populations and exposure pathways and provides a human health exposure assessment. A qualitative human health exposure assessment for the Site was initially presented in the September 2014 RIR.

2.4.1 Potential Exposure Pathways – On-site

2.4.1.1 Current Conditions

On-site soil/fill samples found VOCs, PCBs, and several SVOCs and metals that exceed their respective Unrestricted Use SCOs, with SVOCs and metals above Restricted-Residential Restricted Use SCOs. In areas where human exposure to contaminated soil is possible, the potential migration pathway is likely complete for dermal absorption, inhalation and ingestion.

On-site groundwater samples showed concentrations of VOCs, pesticides and metals which exceeded their respective Class GA TOGS AWQS throughout the Site. Because groundwater in New York City is not used as a potable water source, there is no completion of the exposure pathway under current Site conditions. There is a potential exposure pathway during groundwater sampling associated with Site investigation. The potential pathway is through dermal absorption, inhalation, and ingestion. Site access is currently limited to authorized guests.

Soil vapor results indicate the presence of VOCs. There is a potential exposure pathway during soil vapor sampling associated with Site investigation. The potential pathway is through inhalation.

2.4.1.2 Construction/Remediation Condition

Construction and remediation activities may result in potential exposures to Site contaminants in the absence of a Health and Safety Plan (HASP) and a Community Air Monitoring Plan (CAMP). Soil contains SVOCs and metals at concentrations that exceed Unrestricted and Restricted-Residential Restricted Use SCOs, and VOCs and PCBs at concentrations that exceed Unrestricted Use SCOs. Construction and remedial activities include construction of foundation components and excavation and off-site disposal of impacted soil. In the absence of a HASP and CAMP, this scenario presents the potential for exposure of soil COCs to construction and remediation workers via dermal absorption, ingestion, and inhalation of particulate matter. In the absence of CAMP, activities may result in exposure to the public adjacent to the Site through potential generation and off-site migration of dust containing Site COCs.

Site groundwater contains VOCs, SVOCs, metals and one pesticide at concentrations that exceed their respective Class GA TOGS AWQS. Groundwater will be encountered during excavation activities by workers, and there is potential for exposure to groundwater COCs, in the absence of a HASP, to construction workers via dermal absorption, ingestion, or inhalation.

Soil vapor results indicated the presence of petroleum-related and chlorinated VOCs. During Site development, construction and remediation workers may be exposed to soil vapor COCs via inhalation in the absence of a HASP. In the absence CAMP, activities may also result in exposure to the public adjacent to the Site through volatilization of vapors into the air and potential off-site migration.

2.4.1.3 Proposed Future Conditions

The proposed development will include residential use. Upon completion of the new development, the entire Site will be capped with the concrete building foundation. These barriers will prevent direct human exposure to impacted soil and groundwater.

In the absence of engineering controls (e.g., vapor barrier and/or depressurization system), the presence of VOCs in the groundwater and soil vapor creates potential for VOCs to volatilize and accumulate in the proposed building, completing an exposure pathway for future users. In the absence of engineering controls, routes of exposure may include inhalation of vapors that accumulate in the building.

There is no risk of ingesting groundwater COCs because the Site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater; groundwater is not intended for consumption.

2.4.2 Potential Exposure Pathways – Off-Site

In the absence of CAMP, soil has the potential to be transported off-site by wind in the form of dust or on the tires of vehicles or equipment leaving the Site during development and remediation activities. Metal impacts to groundwater are considered a regional problem and are not considered a localized concern. Chlorinated VOC impacts to the groundwater in the eastern portion of the Site are likely from an off-site source.

The potential off-site migration of Site contaminants is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- Air monitoring will be conducted for particulates (i.e., dust) and VOCs during all intrusive activities as part of a community air monitoring program. Dust and/or vapor suppression techniques will be employed to limit potential for off-site migration of Site soil and vapors.
- Vehicle tires and undercarriages will be washed as necessary prior to leaving the site to prevent tracking material off-site.
- The Site is located in a highly urbanized area with continuous impervious (i.e. concrete) surface covering.
- Groundwater in New York City is not used as a potable water source.

2.4.3 Evaluation of Human Health Exposure

Based upon the conceptual Site model and the review of environmental data, complete on-site exposure pathways appear to be present, in the absence of institutional and engineering controls, in current, construction and remediation, and future conditions. The complete exposure pathways indicate there is a risk of exposure to humans from Site contaminants via exposure to soil, groundwater, and soil vapor if institutional and engineering controls are not implemented.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the Site is provided below.

2.4.3.1 Current Conditions

Contaminant sources include historic fill with varying levels of VOCs, SVOCs, metals, and PCBs, potential UST, groundwater with VOCs, metals and pesticides, and petroleum and chlorinated VOCs in soil vapor.

Contaminant release and transport mechanisms include contaminated soil transported as dust and volatilization of contaminants from the soil and groundwater matrices to the soil vapor phase, and existing soil vapor contaminants. There is a moderate risk of exposure under current conditions. Exposure to dust is limited by the site cover consisting of a concrete slab and vegetation. The site surface cover generally prevents contact with soils, groundwater is not currently accessible and soils are not currently being disturbed except during investigation. All five elements exist; therefore, the potential for completed exposure pathways is present. However, the risk can be avoided or minimized by applying appropriate health and safety measures during investigation, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining Site security, and wearing the appropriate personal protective equipment (PPE).

In accordance with a HASP and CAMP, measures such as conducting an air-monitoring program, donning PPE, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

2.4.3.2 Construction/Remediation Activities

During development and remediation activities, points of exposure include disturbed and exposed soil during excavation, dust and organic vapors generated during excavation activities, and contaminated groundwater that will be encountered during excavation and dewatering operations. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of organic vapors arising from contaminated soil and groundwater, and inhalation of dust arising from contaminated soil. The receptor population includes the construction and remediation workers and, to a lesser extent, the public adjacent to the Site. All five elements exist; therefore, the potential for completed exposure pathways is present. However, the risk can be avoided or minimized by applying appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining Site security, and wearing the appropriate PPE.

In accordance with a HASP, a Soil/Materials Management Plan, and a CAMP, measures such as conducting an air-monitoring program, donning PPE, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

2.4.3.3 Proposed Future Conditions

For the proposed future conditions, some residual contaminants may remain and may include those listed under current conditions. Contaminant release and transport mechanisms include volatilization of contaminants from soil vapor or the groundwater matrix to the soil vapor phase. If institutional and/or engineering controls are not implemented, points of exposure include potential cracks in the foundation or lower-level slab of the proposed development. Routes of exposure may include inhalation of vapors entering the building; these routes may not exist depending on the effectiveness of the remediation. The receptor population includes the building tenants, residential property employees, and visitors. The possible routes of exposure will be avoided or mitigated by proper installation of soil vapor mitigation measures (e.g., vapor barrier and depressurization system) and the impermeable (concrete) Site cap.

2.4.4 Human Health Exposure Assessment Conclusions

The following conclusions were developed from this human health exposure assessment:

1. There is a moderate risk of exposure under current conditions. Exposure to dust from contaminated soil is limited by the site cover, which consists of a concrete slab and vegetation. The exposure risk can be avoided or minimized by following appropriate health and safety and vapor and dust suppression measures during investigation activities.
2. There is a moderate risk of exposure during construction and remediation activities. This risk can be avoided or minimized by following the appropriate health and safety, vapor and dust suppression, and Site security measures.
3. The existence of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is unlikely, as a large quantity of soil will be excavated and transported to an off-site disposal facility, groundwater is not used as a potable water source in New York City, and the potential pathway for soil vapor intrusion into the building will be addressed through the use of soil vapor mitigation measures (e.g., vapor barrier and depressurization system).

4. It is unlikely that a complete exposure pathway exists for the migration of site contaminants to off-site human receptors for current, construction phase, or future conditions. Monitoring and control measures would be used during investigation and construction to prevent completion of this pathway. Under future conditions, the site will be remediated and institutional and engineering controls will be implemented to prevent completion of this pathway.

2.5 Remedial Action Objectives

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) have been identified for this Site.

2.5.1 Groundwater

RAOs for Public Health Protection:

- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection:

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground and surface water contamination

2.5.2 Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil or contaminated soil in particulate form.

RAOs for Environmental Protection:

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.5.3 Soil Vapor

RAOs for Public Health Protection:

- Mitigate impacts to public health resulting from for the potential for soil vapor intrusion into occupied buildings at the site.

3.0 DESCRIPTION OF REMEDIAL ACTION PLAN

The BCP requires the analysis of at least two remedial alternatives when the chosen option is not a Track 1 cleanup. This section presents an analysis of two remedial actions that can potentially be achieved under the BCP. The proposed SCOs will be the generic Track 1 Part 375 Unrestricted Use SCOs for Alternative I and Track 4, Restricted-Residential use with site-specific SCOs for Alternative II.

This section is organized as follows:

- Section 3.1 describes the remedial goals and objectives
- Sections 3.2 and 3.3 provide technical descriptions of:
    - Alternative I, a BCP Unrestricted Use Track 1 concept
    - Alternative II, a BCP Restricted-Residential Track 4 concept
- Section 3.4 evaluates the remedial alternatives based on the BCP Remedy Selection Evaluation Criteria
- Section 3.5 discusses the recommended remedial alternative

3.1 Standards, Criteria, Guidance, and Remedial Action Objectives

In accordance with ECL § 27-1415 and DER-10, the objectives of the remedial action are to: (1) reduce the concentrations of COCs at the Site to meet those levels that will protect public health and the environment, and (2) isolate the Site from migration of contaminated groundwater and soil vapor from potential on-site sources. In accordance with DER-10, the Volunteer will have no remedial responsibilities with respect to groundwater contamination migrating under the Site from an off-site source; however, remedial alternatives will be developed for such a case that eliminate or mitigate on-site environmental impacts or human exposures, to the extent feasible, resulting from the off-site contamination entering the Site. Where identifiable sources of contamination are found on the Site, the sources will be removed or treated to the greatest extent feasible.

Also in accordance with DER-10, the Remedial Action Objectives (RAO) for this Site are defined as medium-specific objectives for the protection of public health and the environment and are developed based on contaminant-specific standards, criteria, and guidance (SCGs). The SCGs for the Site include:

- NYSDEC – Brownfield Cleanup Program Guide (draft 2004);
- NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (2010);
- NYSDEC TAGM No. 4031– Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Waste Sites (1989);
- NYSDEC TOGS 1.1.1 – Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (1998);
- NYSDEC TOGS 5.1.8 – New York State Stormwater Management Design Manual (2008);
- NYSDEC TOGS 5.1.10 – New York Standards and Specifications for Erosion and Sediment Controls (2005);
- NYSDOH – Guidance for Evaluating Soil Vapor Intrusions in the State of New York (2006);
- New York State Codes, Rules and Regulations (NYCRR) Title 6 Part 364 – Waste Transporter Permits;
- 6 NYCRR Part 370 – Hazardous Waste Management System;
- 6 NYCRR Part 375 – Environmental Remediation Program (December 2006);
- 6 NYCRR Part 376 – Land Disposal Restrictions;
- 6 NYCRR Part 750 – State Pollutant Discharge Elimination System (SPDES) Regulations;
- Code of Federal Regulations (CFR) Title 29 Part 1910.120 - Hazardous Waste Operations and Emergency Response Standard;
- CFR Title 29 Part 1926 - Safety and Health Regulations for Construction; and
- NYSDEC CP-51 - Soil Cleanup Guidance (2010).

In addition to the SCGs listed above, the RAOs were developed from information derived from previous environmental investigations referenced in Section 1.4, including identified contaminated media and potential public health and environmental exposure pathways, which were summarized in Section 2.4. The RAOs for this RAWP are listed in section 2.5.

3.2 Technical Description of Alternative I

3.2.1 Summary of Alternative I – Track 1 Remedy

Alternative I, a Track 1 remedy, would include the following tasks:

- Removal of on-site soil exceeding Unrestricted Use SCOs and grossly-impacted material. The existing Site structure and concrete surface cover will be demolished to facilitate excavation;
- Removal of USTs, if encountered, and closure of NYSDEC Spill No. 1302045;
- Dewatering the excavation to accommodate remedial excavation;
- Collection and analysis of confirmation soil samples to confirm Unrestricted Use SCOs have been achieved – over-excavation would be required as necessary to meet SCOs;
- Backfilling of excavated areas to development grade with certified-clean material (meeting Unrestricted Use SCOs), recycled concrete aggregate (RCA) or virgin, native crushed stone;
- Installation of a vapor barrier to protect against VOC intrusion from off-site sources into the Site building;
- Any enclosed subgrade parking garages that are included for any future on-site building(s) are required by the New York City Mechanical Code to provide ventilation
- Installation of a cellar level ventilation system in areas of the Site building that will not be used as a ventilated parking garage and are not in the water table, as a contingency measure to protect against VOC intrusion from off-site sources. The cellar ventilation system will be consistent with New York City Mechanical Code for a ventilated parking garage. Note that the cellar level ventilation system could only operate for a maximum of 5 years to retain Track 1 status;
- Development and execution of plans for the protection of on-site workers, community, and environment during remediation and construction activities.
- Short-term (less than 5 years from date of issuance of Certificate of completion) Institutional Controls in the form of a Site Management Plan and Environmental Easement to ensure operation of the cellar-level ventilation system.

The requirements for each of the above tasks are described below. The Alternative I remedial excavation extent is shown on Figure 5. The remedial excavation extent is based on data presented in the September 2014 RI Report.

3.2.2 Fill and Soil Removal

Exceedances of Part 375 Unrestricted Use SCOs were reported throughout the urban fill layer. To achieve Track 1, soil removal and disposal is roughly estimated to extend to approximately 10 feet bgs (which is approximately el 1.5) across Lot 23 and to approximately 12 feet bgs (which is approximately el -3.5) across Lot 4. The estimated volume of fill and soil requiring removal and off-site disposal for a Track 1 cleanup is approximately 6,800 cubic yards. This estimate is based on vertical extents of historic fill and laboratory analytical results from previous Site investigation as presented in the RI Report. The estimated Track 1 remedial extent is shown on Figure 5. The final excavation depth would extend below the water table and require extensive measures (e.g., underpinning, sheeting) to protect buildings and roadways immediately adjacent to the Site. The excavation support and controls for the Alternative I concept would include a combination of sheeting and soldier beam and lagging, and dewatering with a well point system.

3.2.3 UST Removal Contingency

Based on previous investigations, one or more USTs may be present in the western portion of the Site. If USTs are encountered during remedial activities, they will be decommissioned in accordance with 6NYCRR Part 613.9, NYSDEC Commissioner's Policy (CP) 51, and other applicable NYSDEC UST closure requirements. Petroleum-impacted soil, if encountered, will be excavated and disposed off-site.

3.2.4 Excavation Dewatering and Treatment

Construction dewatering of contaminated groundwater will be required to reach the proposed excavation depths. Prior to mobilization, the contractor will follow the New York City Department of Environmental Protection (NYCDEP) "Procedure for Obtaining Letter of Approval for Groundwater Discharge to Sanitary or Combined Sewer." Based on the NYCDEP's effluent limitations and Site groundwater data, the contractor will be required to pre-treat dewatering fluids to reduce contaminant concentrations below NYCDEP effluent limitations prior to discharge. Pretreatment may include a settling tank, bag filters, carbon filtration, etc. If the contractor's dewatering system has a pumping capacity of greater than 45 gallons per minute, a Long Island Well permit will be obtained from NYSDEC. If the contractor will discharge more than 10,000 gallons per day, they will also have to obtain an NYCDEP Temporary Discharge of Groundwater into the City Sewer System Permit. Collected groundwater or rainwater will be discharged, as defined by the NYCDEP permit, into the New York City sewer system, via an

entry point acceptable to the NYCDEP. The dewatering and treatment system will be designed by the contractor's New York State-licensed Professional Engineer.

3.2.5 Confirmation Soil Sampling

Per NYSDEC Department of Environmental Remediation (DER) policy, confirmation soil sample collection would be completed from the excavation base at a frequency of one sample per 900 square feet of floor area. Sidewall samples would not be collected, since the excavation would extend site-wide and excavation support (e.g., sheeting, lagging) or adjoining building foundations would provide a barrier to collection of the sidewall samples. Based on these criteria, approximately 14 base confirmation samples, plus required QA/QC samples, would be collected. Confirmation soil samples would be analyzed for Part 375 VOCs, SVOCs, pesticides, PCBs, and metals by an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. Additional confirmation samples would be required if the initial confirmation samples fail to meet the SCOs and over-excavation is required. Over-excavation may be required as practical to remove soil that does not comply with the SCOs and represents a source of groundwater or soil vapor contamination. If over-excavation is completed, additional confirmation samples would be required. No off-site excavation would be required.

3.2.6 Excavation Backfill

After excavation, the Site would be backfilled to the development grade. The quantity of off-site fill material required to be imported is estimated at 5,900 cubic yards. Backfill material would consist of clean fill/top soil meeting the Unrestricted Use SCOs or other acceptable fill material such as virgin, native ¾" stone from a quarry or RCA. The clean fill would be segregated at a source/facility that is free of environmental issues. Qualified environmental personnel would collect representative samples at a frequency consistent with DER-10. The samples would be analyzed for Part 375 VOCs (EPA Method 8260), SVOCs (EPA Method 8270), pesticides/PCBs (EPA Method 8082/8081) and metals by an NYSDOH ELAP-certified laboratory. Acceptable backfill material would not exceed Site SCOs.

3.2.7 Vapor Barrier

The potential exists for future migration of VOC-impacted groundwater and soil vapor to the Site from unknown off-site sources. To mitigate potential exposure, a vapor barrier will be installed under the future Site building. The vapor barrier will be a minimum 20 mil thickness, and installed as a continuous subslab membrane under slabs. The Remediation Engineer (RE) will oversee implementation and document operations. The installation of the vapor barrier is a contingency measure and is not considered an engineering control to address on-site contamination.

3.2.8 Vapor Mitigation System (Cellar Ventilation)

In addition to the vapor barrier, a cellar ventilation system consistent with code for a ventilated parking garage be installed in the future Site building. The installation of a cellar ventilation system is considered a contingency measure for protection from off-site contamination, and not an engineering control to address on-site contamination, since no on-site residual contamination requiring mitigation would remain upon completion of the Track 1 alternative.

The cellar level mechanical space could be ventilated consistent with code for a ventilated parking garage. The cellar ventilation requirements would not be required if the lowest level building use was a ventilated parking garage or the lowest level of foundation slab is in the groundwater table.

3.2.9 On-Site Worker, Public Health and Environmental Protection

A site-specific HASP has been developed and will be enforced to protect on-site workers from accidents and acute and chronic exposures from the identified contaminated media. The HASP is included as Appendix G. Public health would be protected by implementing and enforcing dust, odor, and organic vapor control as specified in Section 5.4.13, and monitoring procedures included in the CAMP. The CAMP would include continuous perimeter monitoring of dust and organic vapor utilizing DustTrak aerosol monitors and PIDs capable of recording data and calculating 15-minute averages. A field engineer, scientist, or geologist would monitor Site perimeters for visible dust and odors. The environment would be protected by implementing and enforcing the appropriate soil erosion prevention measures.

3.2.10 Institutional Controls/Engineering Controls

An environmental easement would be recorded referencing institutional or engineering controls (IC/EC) that are part of the selected remedy, which would be binding upon all subsequent owners and occupants of the property. The ICs would restrict the Site's use to restricted residential, commercial and industrial uses, require implementation of the SMP and include notice-of-use restrictions of the Site's soil. The ECs would include the cellar-level ventilation system. The SMP would identify monitoring and maintenance requirements. In order to retain Track 1 status, the cellar ventilation system could operate for no more than 5 years after the date of the Certificate of Completion; otherwise, the site would revert to Track 2 status.

3.3 Technical Description of Alternative II

3.3.1 Summary of Alternative II – Track 4 Remedy

Alternative II, a Track 4 remedy, would be executed by accomplishing the following tasks:

- Excavation as described herein and off-site disposal of soils exceeding Track 4 site-specific SCOs (Restricted-Residential Restricted Use SCOs) and grossly-impacted soil, if encountered. The existing Site structure and concrete surface cover will be demolished to facilitate excavation;
- Removal of USTs, if encountered, and closure of NYSDEC Spill No. 1302045;
- Localized dewatering, if required, will be treated as necessary prior to discharge to the municipal sewer system;
- Collection and analysis of documentation soil samples to document residual soil conditions;
- Backfilling of excavated areas to development grade with clean material meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of Protection of Groundwater SCOs or Restricted Residential SCOs), recycled concrete aggregate (RCA) or virgin crushed stone;
- Any enclosed subgrade parking garages that are included for any future on-site building(s) are required by the New York City Mechanical Code to provide ventilation;
- Installation of a site-wide vapor barrier under the Site building to protect against VOC vapor intrusion into the Site building;
- Installation of a cellar level ventilation system in areas of the Site building that will not be used as a ventilated parking garage to protect against vapor intrusion. The cellar ventilation system will be consistent with New York City Mechanical Code for a ventilated parking garage;
- Development and implementation of plans for the protection of on-site workers, community, and environment during remediation and construction activities;
- Installation of a Site cover system consisting of either of the structures such as buildings, pavement, sidewalks comprising the site development or a minimum 2 foot thick clean soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs); and
- Implementation of long-term Institutional Controls in the form of an Environmental Easement and Site Management Plan.

The requirements for each of the above tasks are described below. The Alternative II remedial excavation extent is shown on Figure 6. The remedial extent is based on previous data collected at the Site.

3.3.2 Fill and Soil Removal

To remediate the Site to Track 4 SCOs, hot spot excavation will be completed in Lot 4 to removal grossly petroleum-impacted soil in the western portion of Lot 4, which is associated with the location of a potential UST. Excavation into the groundwater table to remove grossly-impacted material will be conducted where necessary and to the extent practical; however, dewatering is not considered necessary or practical to remediate the Site. Depth of excavation for the potential UST area is estimated at approximately el 4.

The historic fill layer in Lot 4 is impacted with SVOCs and metals, none of which are impacting Site groundwater quality. The historic fill layer extends to depths of 5 to 11 feet below basement slab in lot 4 (approximately 18 to 24 feet below the 44th Drive sidewalk). Generally contaminant concentrations in deeper fill are lower than concentrations in the shallow fill. Excavation to remove all fill in Lot 4 is not practical given the shallow groundwater table and risk associated with potentially compromising adjacent structures, while dewatering and implementing various excavation support techniques (e.g., underpinning, sheeting). General excavation of fill within Lot 4, outside of the hot-spot grossly-impacted soil removal, will extend to within a foot of the groundwater table which is approximately el 5.6 (approximately 3 feet below existing basement slab). This will remove the most impacted shallow fill material that exceeds Restricted-Residential Restricted Use SCOs to the extent practicable given the proximity of the water table and presence of adjacent structures.

The fill layer in Lot 23 is impacted with metals, none of which are impacting Site groundwater quality. The fill layer extends to depths of 8 to 11 feet below Site grade in lot 23 (approximately 18 to 21 feet below the 44th Drive sidewalk). The RI found that only the shallow layer of fill contains Restricted-Residential Restricted Use SCO exceedances. Lot 23 will be excavated to el 8 (approximately 3.5 feet below grade) to remove fill exceeding the SCO.

Prior to off-site disposal, a waste characterization will be performed. Waste characterization sampling will be performed in-situ prior to remediation or from material stockpiles during remediation. Material streams will be kept separate and the contractor will select disposal facilities permitted to accept the various waste streams. Excavated material will be removed from the Site and disposed at an appropriate waste disposal facility permitted to accept the material. Excavation will not be conducted in areas where removal of soil is unsafe and will threaten the structural integrity of the buildings and retaining wall that border the Site. Sloped

excavation areas (1.5:1) will be used where possible to avoid risky support of excavation and underpinning.

Based on these excavation guidelines, the estimated volume of fill and soil requiring removal and off-site disposal for a Track 4 cleanup is approximately 1,400 cubic yards. Additionally, construction demolition and debris associated with the building and concrete slab demolition will be removed and disposed offsite. This soil quantity estimate is based on vertical excavation limits derived from the laboratory analytical results and field observations in the RI. Soil sample results from the RI are shown on Figure 4, and the Track 4 remedial extent is shown on Figure 6. The final extent of excavation areas may change if additional hot spot areas (i.e., staining, odor and elevated PID readings) are identified during remedial excavation.

3.3.3 UST Removal Contingency

Based on previous investigations, one or more USTs may be present in the western portion of the Site. If USTs are encountered during remedial activities, they will be decommissioned in accordance with 6NYCRR Part 613.9, NYSDEC Commissioner's Policy (CP) 51, and other applicable NYSDEC UST closure requirements. Petroleum-impacted soil, if encountered, will be excavated and disposed off-site.

3.3.4 Excavation Dewatering

Localized dewatering may be required for excavation of elevator pits or select foundation components. Prior to mobilization, the contractor will follow the New York City Department of Environmental Protection (NYCDEP) "Procedure for Obtaining Letter of Approval for Groundwater Discharge to Sanitary or Combined Sewer." Based on the NYCDEP's effluent limitations and Site groundwater data, the contractor may be required to pre-treat dewatering fluids to reduce contaminant concentrations below NYCDEP effluent limitations prior to discharge. Pretreatment may include a settling tank, bag filters, carbon filtration, etc. If the contractor's dewatering system has a pumping capacity of greater than 45 gallons per minute, a Long Island Well permit will be obtained from NYSDEC. If the contractor will discharge more than 10,000 gallons per day, they will also have to obtain an NYCDEP Temporary Discharge of Groundwater into the City Sewer System Permit. Collected groundwater or rainwater will be discharged, as defined by the NYCDEP permit, into the New York City sewer system, via an entry point acceptable to the NYCDEP. The dewatering and treatment system will be designed by the contractor's New York State-licensed Professional Engineer. As an alternate, the contractor may collect the water into a vessel for off-site disposal at a facility permitted to accept the dewatering fluids.

3.3.5 Documentation Soil Samples

Per NYSDEC DER policy, documentation soil sample collection would be completed from the excavation base at a frequency of one sample per 900 square feet of floor area and one sidewall sample for every 30 linear feet around the Site perimeter. Based on these criteria, approximately 14 base confirmation samples and 15 site-perimeter sidewall samples, plus required QA/QC samples, would be collected. An estimated twelve additional sidewall samples, plus required QA/QC samples, will be collected from hotspot areas. Documentation soil samples would be analyzed for the combined Part 375 and TCL/TAL listed VOCs, SVOCs, pesticides, PCBs, and metals. Over-excavation is not required for the Track 4 remedy, given that there are no impacts to groundwater from the contaminants of concern and engineering and institutional controls will be used to manage residual impacts. No off-site excavation will be required.

3.3.6 Excavation Backfill

After the excavation and removal of impacted material associated with the suspected UST in the western portion of Lot, the excavated area would be backfilled to development grade and to supplement grading around the building, as required. The quantity of off-site fill material required to be imported is estimated to be approximately 1,140 cubic yards. Backfill material would consist of Part 375-6.7(d)(1)(ii) SCO-compliant soil or other acceptable fill material such as virgin, native ¾" stone from a quarry or RCA from a NYSDEC-registered facility. For material other than soil imported to the Site, requirements in DER-10 apply. Material may be imported without chemical testing for use as backfill beneath pavement, buildings or as part of the final cover, provided that it contains less than 10% by weight material passing through a No. 80 sieve and meets DER-10 requirements. The clean fill would be segregated at a source/facility that is free of environmental issues. Qualified environmental personnel would collect representative samples at a frequency consistent withCP-51/Soil Cleanup Guidance. The samples would be analyzed for Part 375 VOCs (EPA Method 8260), SVOCs (EPA Method 8270), pesticides/PCBs (EPA Method 8082/8081) and metals by an NYSDOH ELAP-certified laboratory. Only RCA from a NYSDEC registration facility will be imported and it will not be used in the upper 1 foot of any area that will have landscaping.

3.3.7 Vapor Barrier

To mitigate exposure to VOCs identified in on-site soil vapor, a vapor barrier will be installed under the future Site building. The vapor barrier will be a minimum 20 mil thickness, and installed as a continuous subslab membrane under slabs.

3.3.8 Vapor Mitigation System (Cellar Ventilation System)

In addition to the vapor barrier, a cellar ventilation system consistent with code for a ventilated parking garage would be installed in the future Site building.

The cellar-level mechanical space could be ventilated consistent with code for a ventilated parking garage. The cellar ventilation requirements would not be required if the lowest level building use was a ventilated parking garage or the lowest level of foundation slab is in the groundwater table. The cellar level mechanical ventilation system would need to be listed as an Engineering Control and recorded in the Environmental Easement (Section 3.3.11).

3.3.9 On-Site Worker, Public Health and Environmental Protection

A Site-specific HASP has been developed and will be enforced to protect on-site workers from accidents and acute and chronic exposures from the identified contaminated media. The HASP is included as Appendix G. Public health will be protected by implementing and enforcing dust, odor, and organic vapor control as specified in Section 5.4.13, and monitoring procedures included in a site-specific CAMP. The CAMP will include continuous perimeter monitoring of dust and organic vapor utilizing DustTrak aerosol monitors and PIDs capable of recording data and calculating 15-minute averages. A field engineer, scientist, or geologist would monitor Site perimeters for visible dust and odors. The environment will be protected by implementing and enforcing the appropriate soil erosion prevention measures (see Sections 4.3.2 and 5.4.10).

3.3.10 Site Cover System

A Site cover system will be installed at the Site. The Site cover system will consist of the concrete foundation slab of the future building or at least two feet of clean soil (meets Unrestricted Use SCOs) or crushed stone in any landscaped areas. Landscaped areas are not anticipated for the Site. The cover system also serves as an engineering control for the protection of human health by establishing an incomplete exposure pathway to residual Site soils. Where clean soil cover is used in landscaped areas, a demarcation layer (e.g., orange snow fencing) will be installed on top of the residual soil layer prior to placing the clean soil cap.

3.3.11 Institutional Controls/Engineering Controls

An environmental easement would be recorded that requires institutional and engineering controls (IC/EC) that are part of the selected remedy, which will be binding upon all subsequent owners of the property. The ICs will restrict the Site's use to restricted-residential, commercial and industrial uses; prohibit the use of groundwater without treatment rendering is safe; require implementation of the SMP and prohibit use of the Site's soil for farming or gardening. The ECs would include the appropriate surface cover (cap), a cellar-level mechanical ventilation

system and vapor barrier. The SMP would identify long-term monitoring and maintenance requirements.

3.4 Selection of Preferred Remedy

The following is an evaluation of the proposed remedy based on the NYSDEC BCP remedy evaluation criteria listed below. The first two criteria are considered "threshold criteria" and the remaining criteria are "balancing criteria". A remedial alternative must meet the threshold criteria in order to be considered and evaluated further under the balancing criteria.

A. Protection of Human Health and Environment;
B. Standards, Criteria, and Guidance (SCG);
C. Short-Term Effectiveness and Permanence;
D. Long-Term Effectiveness and Permanence;
E. Reduction of Toxicity, Mobility, or Volume;
F. Implementability;
G. Cost Effectiveness;
H. Community Acceptance; and
I. Land Use

3.4.1 Overall Protection of Public Health and the Environment

Alternative I – The remedy would eliminate all pathways of exposure from on-site contaminated media. Remediating the Site to Track 1 standards would result in the elimination of all on-site soil that exceeds Track 1 SCOs. Any encountered USTs would be decommissioned, removed and disposed off-site, and petroleum-impacted material, if encountered, would be excavated and disposed off-site. The RAOs for public health and environmental protection would be met through the removal of all contaminated media at the Site, which would eliminate any possible ingestion, inhalation or dermal contact.

Alternative II – The Track 4 remedy would provide similar overall protection to public health and the environment to Alternative I. Under a Track 4 remedy, historic fill material exceeding Restricted-Residential SCOs would be removed and disposed of off-site as described herein. A composite Site cap would make exposure pathways to residual contamination incomplete. Potential exposure pathways for off-site groundwater and soil vapor that may migrate onto the Site, and potential impacts from on-site residual petroleum contamination would be eliminated by installing a vapor barrier and cellar ventilation system. In addition, groundwater in Manhattan is not used as a source of drinking water.

Public health would be protected during remediation activities under both remedial alternatives by implementing and enforcing dust, odor, and organic vapor control and monitoring procedures when needed. The environment would be protected by implementing and enforcing the selected soil erosion plans.

3.4.2 Standards, Criteria, and Guidance

Alternative I - Remediating the Site to Track 1 Unrestricted Use standards would ensure compliance with all applicable SCGs that were listed in Section 3.1 due to the removal of all impacted on-site materials.

Alternative II – This remedy was designed to meet the requirements of a Track 4 cleanup including Restricted-Residential SCOs. Remediation includes removal of Site material to achieve site-specific cleanup objectives, as set forth in DER-10, Technical Guidance for Site Investigation and Remediation, CP-51 and 6 NYCRR Part 375. Alternative II complies with the SCGs.

Remedial alternatives will also comply with standards, criteria and guidance (SCGs) that involve protection of the public health and environment during the remedial action by implementing and enforcing a Site-specific HASP. Occupational Safety and Health Administration (OSHA) requirements for on-site construction safety will be followed by the Site contractors.

3.4.3 Short-Term Effectiveness and Permanence

Alternative I - The most significant short-term adverse impacts and risks to the community will be the potential complications and risk involved with designing support of excavation and underpinning for the buildings and structures adjoining the Site. Increased truck traffic and operational noise levels would be necessary to haul out the impacted fill excavated to achieve Track 1 standards and to haul in the additional backfill. The operation is estimated to require 508 25-cubic yard capacity truck trips to haul soil for disposal and backfill. This volume of truck traffic equates to a significantly higher discharge of greenhouse gas emissions over Alternative II. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flaggers will be used to protect pedestrians at Site entrances and exits. Additionally, waiting times associated with analysis of confirmation sampling and resampling may delay construction, leaving soil exposed for a longer time resulting in a potential increase in dust, odors, and organic vapor from the excavation. The effects of these potential adverse impacts to the community, workers and the environment will be minimized by implementing their respective control plans.

Alternative II – Limiting the required excavation extent to depths ranging from 3 to 5 feet based on Track 4 standards will reduce implementation of risky support of excavation techniques,

minimize dewatering and reduce the duration of the excavation and the associated risks of a large excavation with underpinning of adjacent buildings. The number of truck trips required to haul out the impacted fill and import backfill is estimated to be 120 25-cubic yard capacity truck trips; approximately 75% fewer trips than that required for Alternative I. The Track 4 remedy is the most sustainable approach, because fewer fossil fuel natural resources are required and carbon emissions to the atmosphere are reduced. Excavation activities will be significantly expedited compared to Alternative I, reducing potential exposure to dust, odors, and organic vapor from the excavation and construction-related noise.

Under both remedial alternatives, dust will be controlled by the application of water spray on the haul roads, and on Site, when and where needed. Engineering controls, such as slowing the pace of work, applying foam suppressant or covering portions of the excavation will be used to minimize vapors and suppress odors when required. Work will be modified or stopped according to the action levels set in the CAMP.

3.4.4 Long-Term Effectiveness and Permanence

Alternative I - The Track 1 remedy will remove all contaminated media from the Site exceeding Unrestricted Use SCOs for soil. The potential exists for residual VOC concentrations in groundwater and soil vapor due to off-site sources. Groundwater in this area of New York City is not used for drinking water. Therefore, the long-term effectiveness of this remedy will eliminate risks and satisfy the objectives of this criterion. The potential of soil vapor intrusion from an off-site source would be addressed by a vapor barrier and cellar ventilation system for the proposed building.

Alternative II – The magnitude of the remaining risks will be minimal because potential exposure pathways to the residually contaminated soil, groundwater, and soil vapor will be eliminated by the completion of the Track 4 remedy. The Track 4 remedy will remove contaminated media from the Site exceeding Restricted-Residential SCOs for soil to depths up to 5 feet below the existing basement. The exposure pathways to residual soil contaminants will be controlled through the use of a Site cap. Potential exposure from soil vapor VOC intrusion will be prevented by the installation of a vapor barrier and ventilation per mechanical code for a parking garage. In addition, groundwater in this area of New York City is not used for drinking water. Therefore, the long-term effectiveness of this remedy will eliminate risks and satisfy the objectives of this criterion.

3.4.5 Reduction of Toxicity, Mobility, and Volume

Alternative I - The Track 1 remedy will permanently and significantly reduce the toxicity, mobility, and volume of contamination through removal of all on-site contaminated fill through

excavation and off-site disposal, and dewatering, treatment, and off-site disposal of groundwater.

Alternative II - The Track 4 remedy will reduce the toxicity through removal of historic fill and petroleum-impacted soil exceeding Restricted-Residential SCOs. The mobility of residual contaminants does not represent an off-site migration concern. Installation of the cellar ventilation system in the proposed building will address concerns related to the toxicity and mobility of soil vapor impacted by residual on-site contamination or potential unknown off-site sources.

3.4.6 Implementability

Alternative I - Implementing Alternative I would be technically challenging due to soil and fill exceeding Track 1 SCOs to 10 to 12 feet bgs site-wide. Extensive excavation support, underpinning of adjacent buildings and dewatering will be required to remove material exceeding the Unrestricted Use SCOs. This remedy will consist mostly of excavation with standard bucket excavators of the targeted fill and soil. The feasibility is low for the excavation activities because of the risks, costs and time associated with the extensive support of excavation design, which will rely on coordination with adjacent property owners. The risk of damage to adjacent property buildings and structures is highest for the Alternative I remedy.

Alternative II - The technical feasibility of implementing the Alternative II remedy is greater than Alternative I. Excavation support may still be required for implementation of Alternative II; however, these tasks will be minimal for Alternative II in comparison to Alternative I. This alternative will consist mostly of excavation with standard bucket excavators of the targeted fill and soil. The remedy uses typical remediation methods to address Site impacts and contractors experienced in implementing the described remedy are readily available in the area of the Site. The risk of damage to adjacent property buildings is lowest for the Alternative II remedy.

3.4.7 Cost Effectiveness

Alternative I - Based on the assumptions detailed for Alternative I, including removal of all soil and fill exceeding Unrestricted Use SCOs, dewatering and groundwater treatment, and vapor barrier and cellar ventilation system installation, the estimated remediation cost of a Track 1 cleanup is $5.122 million. As the Site would be remediated to an Unrestricted Use level, there would be no operations, maintenance, or monitoring costs associated with this remedy. Table 2 details the individual cost components used to arrive at this cost estimate. Alternative I is the least cost effective alternative, considering the alternative of managing lower level contaminants in place.

Alternative II - Based on the assumptions detailed for Alternative II, the estimated remediation cost to achieve a Track 4 cleanup is approximately $2.268 million. Table 3 details the individual cost-components used to arrive at this cost estimate. Alternative II presents the most cost effective alternative for achieving the remediation goals and objectives.

3.4.8 Community Acceptance

Both remedial alternatives should be acceptable to the community because the potential exposure pathways to on-site contamination will be eliminated upon completion of the respective alternatives and the Site. The selected remedy was subject to a 45-day public comment period accordantly with the Citizen Participation Plan. Any substantive public comments received were addressed before the remedy was approved.

3.4.9 Land Use

The current, intended, and reasonably anticipated future land use of the Site and its surroundings are compatible with the selected remedy of soil remediation. The future proposed development is a mixed-use commercial and residential building, which is expected to cover 100% of the Site footprint. Review of previous environmental and public documents for the Site has led to the following conclusions:

1. The intended use of the Site, and the current and reasonably anticipated future land use of its surroundings will be compatible with the selected remedy.
2. The use proposed for the Site conforms with applicable zoning laws and maps.
3. The proposed use conforms to historical and/or recent development patterns in the area.
4. The Site does not fall within the boundaries of an existing Brownfield Opportunity Area (BOA).
5. The Site is located in an urban setting that is characterized by industrial, commercial office, commercial retail developments, and some residential. There are no areas zoned for agricultural use in the proximity of the Site.
6. The Site is in an environmental justice area.
7. There are no federal or state land designations.
8. The population growth patterns and projections support the proposed land use.
9. The Site is accessible to existing infrastructure.
10. The Site is not in close proximity to important cultural resources, including federal or state historic or heritage sites or Native American religious sites.

11. The Site is not located in close proximity to important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species.
12. Municipal water supply wells are not present in this area of New York City; therefore, groundwater from the Site cannot affect municipal water supply wells or recharge areas.
13. According to the National Flood Insurance Rate Map for the City of New York published by the Federal Emergency Management Agency (FEMA) (Map No. 3604970202G, dated December 5, 2013), the Site is located within Zone X. Zone X is designated for areas of 0.2 percent chance annual flood; areas of 1 percent chance annual flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1 percent annual chance flood.
14. Site geology is described in Section 2.2.
15. The only known institutional control currently in effect at the Site is an access agreement benefitting lot 4 across lot 23. Because these parcels are both under common ownership and will both be covered by the planned development, this existing institutional control poses no impediment to the selected remedy

3.5 Summary of Selected Remedial Actions

Based on the evaluation of the remedial alternatives described above, both alternatives would be protective of human health and the environment and meet the remedy selection criteria. Implementation of Alternative I provides for removal of all impacted, on-site soil contamination exceeding Track 1 SCOs and treatment of groundwater through dewatering; however, the extended excavation depths required to remove all soil exceeding Track 1 SCOs is not considered cost-effective and presents constructability challenges and unnecessary added risk. The additional excavation required to achieve a Track 1 cleanup is expected to extend below the water table and would substantially complicate support of excavation design for adjoining buildings, structures and roadways, increase truck traffic, and prolong potential exposure to noise and contaminated dust and vapors associated with additional excavation.

Alternative II provides for removal of historic fill to the extent practical to achieve Track 4 Restricted-Residential SCOs for the Site. The exposure pathways to residual contaminants will be controlled through the use of a site cap and implementation of soil vapor mitigation measures (e.g., vapor barrier and cellar ventilation system).

Unlike Alternative I, Alternative II can be implemented using standard construction methods and in a cost-effective manner while providing the same overall protection to human health and

the environment. Therefore, Alternative II is the recommended remedial alternative for this Site. Figures depicting the Alternative II remedy are included as follows:

- Figure 6 – Alternative II –Track 4 Cleanup
- Figure 7 –Vapor Barrier Location Plan
- Figure 8 – Composite Cover System Plan

Remedial activities will be performed in accordance with this NYSDEC-approved RAWP. All deviations from the RAWP will be promptly reported to NYSDEC for approval and fully explained in the Final Engineering Report (FER).

4.0 REMEDIAL ACTION PROGRAM

4.1 Governing Documents

The primary documents governing the remedial action are summarized in this section. Where referenced, copies of the full plan are provided in the appendices.

4.1.1 Site Specific Health & Safety Plan

The Remedial Engineer prepared a Site-specific HASP, which is included as Appendix G. The HASP will apply to all remedial and construction-related work on-site. The HASP provides a mechanism for establishing on-site safe working conditions, safety organization, procedures, and PPE requirements. The HASP meets the requirements of 29 CFR 1910 and 29 CFR 1926 (which includes 29 CFR 1910.120 and 29 CFR 1926.65). The HASP includes, but is not limited to, the following components listed below:

- Organization and Identification of key personnel;
- Training requirements;
- Medical surveillance requirements;
- List of site hazards;
- Excavation safety;
- Work zone descriptions;
- Personal safety equipment and protective clothing requirements;
- Decontamination requirements;
- Standard operating procedures;
- Protective measure Plan;
- CAMP; and
- Material Safety Data Sheets.

All remedial work performed under this plan will be in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Volunteer and associated parties preparing the remedial documents submitted to the State and those performing the construction work, are completely responsible for the preparation of an appropriate HASP and for the appropriate performance of work according to that plan and applicable laws.

The HASP and requirements defined in this RAWP pertain to all remedial and invasive work performed at the Site until the issuance of a Certificate of Completion.

The Site Safety Coordinator will be Paul McMahon. A resume will be provided to NYSDEC prior to the start of remedial construction.

Confined space entry will comply with all OSHA requirements to address the potential risk posed by combustible and toxic gasses.

4.1.2 Quality Assurance Project Plan

The RE prepared a Quality Assurance Project Plan (QAPP) that describes the quality control components employed so that the proposed remedy accomplishes the remedial goals, remedial action objectives, and is completed in accordance with the design specifications. The QAPP is provided as Appendix H and includes:

- Responsibilities of key personnel and their organizations for the proposed remedy;
- Qualifications of the quality assurance officer;
- Sampling requirements including methodologies, quantity, volume, locations, frequency, acceptance and rejection criteria; and
- Description of the reporting requirements for quality assurance activities including weekly quality assurance review reports, periodic quality assurance and quality control audits, and other report and data submissions.

4.1.3 Construction Quality Assurance Plan

The RE prepared a Construction Quality Assurance Plan (CQAP) that describes the quality control components employed so that the proposed remedy accomplishes the remedial goals, remedial action objectives, and is completed in accordance with the design specifications. Because the remedy is being accomplished through building construction, the contractor and construction manager will have the primary responsibility to provide construction quality. A list of engineering personnel involved in implementation of the CQAP and procedures that will be carried out by the remedial engineering team are identified below.

The following project personnel are anticipated for oversight of the RAWP implementation. Project personnel resumes are provided in Appendix I.

RemedialEngineer (RE):	Jason Hayes, P.E., LEED^{AP}
Project Manager:	Joseph Good, P.E., LEED^{AP}
Langan Health & Safety Officer:	Tony Moffa, CHMM
Site Safety Coordinator	Paul McMahon, E.I.T.
Qualified Environmental Professional (QEP)	Gerry Nicholls, P.E., CHMM
Field Team Leader	Joseph Good, LEED^{AP}
Quality Assurance Officer	Michael Burke, CHMM

A QEP or the RE will directly supervise field engineers, scientists and geologists that will be on-site during remedial action to monitor particulates and organic vapor in accordance with the CAMP. Daily reports will be submitted to the NYSDEC and NYSDOH and will include reporting of any CAMP results that exceed the action levels specified in the CAMP.

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

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

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

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

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

4.1.4 Soil/Materials Management Plan

The RE prepared a Soil/Materials Management Plan, which includes detailed plans for managing all soils/materials that are disturbed at the Site, including excavation, handling, storage, transport and disposal. It also includes controls that will be applied to these efforts to facilitate effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations (see Section 5.4).

4.1.5 Stormwater Pollution Prevention Plan

Erosion and sediment controls will be in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control. Erosion and sediment controls that will be implemented are described in Section 4.3.2 (Erosion and Sedimentation Controls) and 5.4.10 (Stormwater Pollution Prevention). A Stormwater Pollution Prevention Plan (SWPPP) is not necessary because the project will disturb less than an acre, and stormwater discharge will be to a combined sewer, in accordance with the New York City generic stormwater pollution discharge elimination system permit.

4.1.6 Community Air Monitoring Program

A CAMP has been prepared by the RE and is included as Appendix H.

4.1.7 Contractors Site Operations Plan

The RE will review all plans and submittals for this remedial project (including those listed above and contractor and sub-contractor document submittals) and confirm that they are in compliance with this RAWP. The RE is responsible to document that all later document submittals for this remedial project, including contractor and sub-contractor document submittals, are in compliance with this RAWP. All remedial documents will be submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.1.8 Citizen Participation Plan

A certification of mailing will be sent by the Volunteer to the NYSDEC project manager following the distribution of all Fact Sheets and notices that includes: (1) certification that the Fact Sheets were mailed, (2) the date they were mailed; (3) a copy of the Fact Sheet, (4) a list of recipients (contact list); and (5) a statement that the repository was inspected on (specific date) and that it contained all of applicable project documents.

No changes will be made to the approved Fact Sheets authorized for release by NYSDEC without written consent of the NYSDEC. No other information, such as brochures and flyers, will be included with the Fact Sheet mailing.

The approved Citizen Participation Plan for this project is attached in Appendix K.

A document repository has been established at the following location and contains all applicable project documents:

Queens Library - Court Square Branch
2501 Jackson Ave
Long Island City, Queens, NY 11101
Phone: 718-937-2790
Hours (Call to verify):
Monday, Thursday, Friday: 11:00 a.m. to 7:00 p.m.
Tuesday, Wednesday: 1:00 p.m. to 7:00 p.m.
Saturday & Sunday: Closed

4.2 General Remedial Construction Information

4.2.1 Project Organization

This Section presents the anticipated project organization and associated roles, including key personnel, descriptions of duties, and lines of authority in the management of the RAWP. Information regarding the organization/personnel and their associated responsibilities is provided below.

4.2.2 Remediation Engineer (RE)

The RE for this project will be Jason Hayes, P.E. The RE is a registered professional engineer licensed by the State of New York. The RE will have primary direct responsibility for implementation of the remedial program for the 27-21 44th Drive and 44-18 Purves Street Site (NYSDEC BCP Site No. C241162). The RE will certify in the FER that the remedial activities were observed by qualified environmental professionals under his supervision and that the remediation requirements set forth in the RAWP and any other relevant provisions of ECL 27-1419 have been achieved in full conformance with that Plan. Other RE certification requirements are listed later in this RAWP.

The RE will document the work of other contractors and subcontractors involved in all aspects of remedial construction, including soil excavation, stockpiling, characterization, removal and disposal, air monitoring, emergency spill response services, import of back fill material, and management of waste transport and disposal. The RE will be responsible for all appropriate communication with NYSDEC and NYSDOH.

The RE will review all pre-remedial plans submitted by contractors for compliance with this RAWP and will certify compliance in the FER.

In the FER, the RE will provide the certifications listed in Section 10.1.

4.2.3 Remedial Action Construction Schedule

The remedial action construction schedule is provided in Appendix L. Proposed changes, delays or deviations will be promptly communicated to NYSDEC.

4.2.4 Work Hours

The hours for operation of remedial construction will conform to the New York City Department of Buildings construction code requirements or according to specific variances issued by that agency. NYSDEC will be notified by the Volunteer of any variances issued by the Department of Buildings. NYSDEC reserves the right to deny alternate remedial construction hours.

4.2.5 Site Security

The Site perimeter will be secured with gated, signed, plywood fencing with points of entry in accordance with NYCDOB and NYCDOT permits and requirements. The purpose of the fencing is to limit Site access to authorized personnel, protect pedestrians from Site activities, and maintain Site security.

4.2.6 Traffic Control

Site traffic will be controlled through designated points of access along Purves Street. Access points will be continuously monitored and a flagging system will be used to protect workers, pedestrians and authorized guests. Traffic will also adhere to applicable local, state and federal law.

4.2.7 Contingency Plan

Contingency plans, as described below, have been developed to effectively deal with unexpected discoveries of additional contaminated media or USTs.

4.2.7.1 Discovery of Additional Targeted Contaminated Soil

During remedial and construction activities, the soil will be continuously monitored by the RE's field representatives using a PID and visual and olfactory field screening techniques to identify additional soil that may not be suitable for the current disposal facility. Soil so identified will be confirmed by collecting and analyzing a sample in accordance with disposal facility requirements. If the facility is not permitted to receive the suspect materials, the material will be disposed off-site at a permitted facility able to receive the material based on the characterization data.

4.2.7.2 Discovery of Additional USTs

Based on previous investigations, it is likely that one or more USTs will be discovered. As a contingency, if USTs are encountered during remedial activities, they will be decommissioned in accordance with 6 NYCRR 613.9, and DER-10 section 5.5. Once the tank and its contents are removed, post-excavation soil samples will be collected as per the NYSDEC DER-10 requirements. If encountered, petroleum-contaminated soils will be removed. UST closure documentation, such as contractor affidavits, bills of lading for sludge disposal, and tank disposal receipts, will be provided as appendices in the FER (Section 10.0). Depending on the type, number, and capacity of discovered the tanks, the NYSDEC PBS registration requirements will be complied with as necessary.

4.2.8 Worker Training and Monitoring

Worker training and monitoring will be conducted in accordance with the HASP, included as Appendix G.

4.2.9 Agency Approvals

There are no State Environmental Quality Review Act (SEQRA) requirements for this project. All permits or government approvals required for remedial construction have been, or will be, obtained prior to the start of remedial construction.

The planned end use for the Site conforms to current zoning for the property as determined by New York City Department of Planning. A Certificate of Completion will not be issued for the project unless conformance with zoning designation is demonstrated.

4.2.10 NYSDEC BCP Signage

A project sign will be erected at the main entrance to the Site prior to the start of any remedial activities. The sign will indicate that the project is being performed under the New York State Brownfield Cleanup Program. The sign will meet the detailed specifications provided by the NYSDEC Project Manager and contained in Appendix M.

4.2.11 Pre-Construction Meeting with NYSDEC

A meeting will be conducted to discuss project roles and responsibilities with the RE, Volunteer, construction manager, remediation contractor and the NYSDEC. This meeting will take place prior to the start of major construction activities.

4.2.12 Emergency Contact Information

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use by NYSDEC and NYSDOH in the case of a day or night emergency.

4.2.13 Remedial Action Costs

The total estimated cost of the Track 4 Remedial Action is $2.268 million. An itemized and detailed summary of estimated costs for all remedial activity is provided as Table 3. This estimate will be revised based on actual costs and submitted as an appendix to the FER.

4.3 Site Preparation

4.3.1 Mobilization

Prior to commencing the remedial excavation, the remediation contractor will mobilize to the Site and prepare for remedial activities. Descriptions of mobilization and Site preparation activities may include the following.

- Identifying the location of all aboveground and underground utilities (e.g., power, gas, water, sewer, telephone), equipment, and structures (as necessary to implement the remediation);
- Mobilizing necessary remediation personnel, equipment, and materials to the Site;
- Constructing one or more stabilized construction entrances consisting of nonhazardous material capped with a gravel roadway at or near the Site exit, which takes into consideration the Site setting and Site perimeter;
- Constructing an equipment decontamination pad for trucks, equipment, and personnel that come into contact with impacted materials during remedial activities;
- Installing erosion and sedimentation control measures;
- Installing temporary fencing or other temporary barriers to limit unauthorized access to areas where remediation activities will be conducted.

4.3.2 Erosion and Sedimentation Controls

Based on the size of the Site and the planned excavation, select common erosion and sedimentation control practices will be necessary. Best Management Practices (BMP) for soil erosion will be selected to minimize erosion and sedimentation off-site from the start of the remediation to the completion of development.

4.3.3 Temporary Gravel Construction Entrance(s)

Temporary gravel construction entrances may be installed on-site at the existing curb cuts along Purves Street and/or 44th Drive. The entrance will be graded so that runoff water will be directed on Site. The contractor will protect and maintain the existing sidewalks and roadway at Site access points.

4.3.4 Utility Marker and Easements Layout

The Volunteer and its contractors are solely responsible for the identification of utilities that might be affected by work under the RAWP and implementation of all required, appropriate, or necessary health and safety measures during performance of work under this RAWP. The Volunteer and its contractors are solely responsible for safe execution of all invasive and other work performed under this RAWP. The Volunteer and its contractors must obtain any local, State or Federal permits or approvals pertinent to such work that may be required to perform work under this RAWP. Approval of this RAWP by NYSDEC does not constitute satisfaction of these requirements.

The presence of utilities and easements on the Site has been investigated by the RE. It has been determined that no risk or impediment to the planned work under this RAWP is posed by known utilities or easements on the Site.

4.3.5 Sheeting and Shoring

Appropriate management of structural stability of on-site or off-site structures during on-site activities, including excavation, is the sole responsibility of the Volunteer and its contractors. The Volunteer and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan. The Volunteer and its contractors must obtain any local, State or Federal permits or approvals that may be required to perform work under this Plan. Further, the Volunteer and its contractors are solely responsible for the implementation of all required, appropriate, or necessary health and safety measures during performance of work under the approved Plan.

4.3.6 Equipment and Material Staging

The contractor will notify the RE and Purves Development LLC, in writing with receipt confirmed, of pending Site work mobilization at least 30 calendar days in advance. During mobilization, construction equipment will be delivered to the Site, temporary facilities constructed, and temporary utilities installed. The contractor will place and maintain temporary toilet facilities within the work areas for usage by all Site personnel. The contractor will provide drinking water for all Site personnel.

4.3.7 Decontamination Area

The contractor will construct decontamination pads at each Site entrance/exit planned for construction vehicle usage. The location of decontamination pads may change periodically to accommodate the contractor's sequencing of work. The pads will be constructed by the contractor to collect wastewater for off-site disposal or treatment and discharge, if generated during decontamination activities. The design will consider adequate space to decontaminate Site equipment and vehicles, and sloping and liners to facilitate collection of wastewater. Collected decontamination wastewater shall be either discharged in accordance with the contractor's NYCDEP permit or tested and transported to an off-site disposal facility that is permitted to accept this waste, in accordance with applicable city, state, and federal regulations.

If the contractor uses high pressure washing methods, the contractor shall provide splash protection around the vehicle decontamination facility. Splash protection shall minimize potential contamination from splatter and mist movement off-site during the vehicle decontamination process. Splash protection shall be temporary and stable and capable of being dismantled in the event of high winds.

Accumulated truck rinsate and decontamination materials will be collected and commingled with other waste streams for disposal, as appropriate. The contractor will maintain the decontamination pad(s) throughout the duration of Site work. Prior to demobilization, the contractor will deconstruct the pads and dispose of materials as required.

4.3.8 Site Fencing

The Site perimeter will be secured with gated, signed, plywood fencing. The purpose of the fencing is to limit Site access to authorized personnel, protect pedestrians from Site activities, and maintain Site security.

4.3.9 Demobilization

The contractor will be responsible for demobilizing all labor, equipment, and materials not designated for off-site disposal from the Site. The RE will be required to document that the remediation contractor decontaminates all equipment and materials prior to removal from the Site. The RE will document performance by the excavation contractor of any follow-up coordination and maintenance for the following activities: removal of sediment and erosion control measures and disposal of materials in accordance with acceptable rules and regulations; removal of any residual contaminated material or wastes; equipment decontamination; and general refuse disposal.

4.4 Reporting

Periodic reports and an FER will be required to document the remedial action. The Project RE responsible for certifying reports will be an individual licensed to practice engineering in the State of New York; Jason Hayes, P.E. of Langan, will have this responsibility. Should Mr. Hayes become unable to fulfill this responsibility, another suitably qualified New York State professional engineer will take his place. All daily and monthly Reports will be included in the FER. In addition to the periodic reports and the FER, copies of all relevant contractor documents will be submitted to the NYSDEC.

4.4.1 Daily Reports

Daily reports will be submitted to NYSDEC and NYSDOH Project Managers by the end of each day following the reporting period and will include:

- An update of progress made during the reporting day;
- Locations of work and quantities of material imported and exported from the Site;
- References to alpha-numeric map for Site activities;
- A summary of any and all complaints with relevant details (names, phone numbers);
- A summary of CAMP findings, including excursions;
- An explanation of notable Site conditions.

Daily reports are not intended to be the mode of communication for notification to the NYSDEC of emergencies (accident, spill), requests for changes to the RAWP or other sensitive or time critical information. However, such conditions must also be included in the daily reports. Emergency conditions and changes to the RAWP will be addressed directly to NYSDEC Project Manager via personal communication.

Daily Reports will include a description of daily activities keyed to an alpha-numeric map that identifies work areas. These reports will include a summary of air sampling results, odor and dust problems and corrective actions, and all complaints received from the public.

The NYSDEC-assigned project number will appear on all reports.

4.4.2 Monthly Reports

Monthly reports will be submitted to NYSDEC and NYSDOH Project Managers by the tenth of the following month of the reporting period and will include the following information, as well as the information required in the Brownfield Cleanup Agreement:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e. tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and,
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

4.4.3 Other Reporting

Photographs will be taken of remedial activities and submitted to NYSDEC in digital (JPEG) format. Photos will illustrate the remedial program elements and will be of acceptable quality. Representative photos of the Site prior to any remedial actions will be provided. Representative photos will be provided of each contaminant source area and Site structures before, during and after remediation. Photos will be submitted to NYSDEC on CD or other acceptable electronic media and will be sent to NYSDEC's Project Manager (2 copies) and to NYSDOH's Project Manager (1 copy). CD's will have a label and a general file inventory structure that separates photos into directories and sub-directories according to logical Remedial Action components. A photo log keyed to photo file ID numbers will be prepared to provide explanation for all representative photos.

Job-site record keeping for all remedial work will be appropriately documented. These records will be maintained on-site at all times during the project and be available for inspection by NYSDEC and NYSDOH staff.

4.4.4 Complaint Management Plan

The management plan for documenting complaints is detailed below.

Item	Description
Approach	Complaints regarding remediation or construction activities/operations to be minimized and mitigation measures implemented to reduce the incidence of complaints.
Objective	To manage environmental complaints from the community regarding construction or remediation.
Implementation Strategy/Mitigation	All complaints will be documented on a complaint register. The register will be maintained as an ongoing record.

Item	Description
Measures	The entry will include following information: • Time, date and nature of complaint; • Type of communication (telephone, letter, personal, etc.); • Name, contact address and contact number; • Response and investigation undertaken as a result of the complaint; and action taken and signature of responsible person. Each complaint will be investigated as soon as practical in relation to requirements.
Monitoring	A representative from the Volunteer or the Remediation Engineer will follow up on the complaint within two weeks of receipt to ensure it is resolved.
Reporting	Upon receipt NYSDEC will be notified. Complaint and resolutions will be documented in daily reports.
Corrective Action	Should an incident of failure to comply occur in relation to the management of environmental complaints, one or more of the following corrective actions will be undertaken as appropriate: • Conduct additional training of staff to handle environmental complaints; • Investigate why the environmental complaint was not addressed within the specified time frame; and • Investigate complaint and action follow-up according to results of investigation.

4.4.5 Deviations from the RAWP

An addendum to this RAWP will be provided for any deviations and will include:

- Reasons for deviating from the approved RAWP;
- Approval process to be followed for changes/editions to the RAWP; and
- Effect of the deviations on overall remedy.

5.0 REMEDIAL ACTION: MATERIAL REMOVAL FROM SITE

5.1 Soil Cleanup Objectives

The Restricted-Residential SCOs are listed in Table 1. Although not anticipated with the proposed development, any exposed soil that remains within the top 2 feet of landscaped areas of the Site must meet the Restricted-Residential Restricted Use SCOs.

Soil and materials management on-site and off-site will be conducted in accordance with the Soil/Materials Management Plan as described below. UST closures will, at a minimum, conform to criteria defined in DER-10.

5.2 Remedial Performance Evaluation (Post-Excavation Sampling)

Documentation soil samples will be collected and analyzed to evaluate soil/fill remaining in place. Documentation samples will be sampled for analysis of 6 NYCRR Part 375 list and TCL/TAL list VOCs, SVOCs, PCBs, pesticides, and metals. Documentation sampling will be collected in accordance with NYSDEC DER-10. Samples will be collected from the excavation bottom at a frequency of one sample per 900 square feet. Sidewall samples will be collected at a frequency of one sample per 30 feet of sidewall. If encountered, a minimum of five additional soil samples will be collected for UST removal areas, including four sidewall samples and one bottom sample. Should additional documentation sampling be deemed necessary (e.g., additional tank closure), documentation sampling will occur in accordance with NYSDEC DER-10 and Soil Cleanup Guidance CP-51. No additional excavation will be required based on the documentation sample results.

Soil documentation samples will be transported under standard chain-of-custody protocol to an NYSDOH ELAP-approved laboratory for analysis of the Site soil contaminants of concern. Laboratory analyses will be conducted in accordance with EPA SW-846 methods and NYSDEC Analytical Services Protocol (ASP) Category B deliverable format. The quality assurance and quality control procedures required by the NYSDEC ASP and SW-846 methods will be followed. This will include instrument calibration, standard compound spikes, surrogate compound spikes, and analysis of quality control samples. The laboratory will provide sample bottles, which are pre-cleaned and preserved. Where there are differences in the SW-846 and NYSDEC ASP requirements, the NYSDEC ASP shall take precedence.

A data usability summary report (DUSR) will be included in the FER. Quality control procedures for the sampling are included in the QAPP, described in Appendix I. Confirmation analytical results will be provided in NYSDEC electronic data deliverable (EDD) format for EQuIS™. Guidance on sampling frequency is presented in Section 5.4 of DER-10.

The FER will provide a tabular and map summary of all documentation sample results and results that exceed Restricted-Residential SCOs.

5.3 Estimated Material Removal Quantities

The estimated quantity of soil/fill to be removed from the Site is 1,400 cubic yards (including historic fill with potentially hazardous metal concentrations and petroleum-impacted soil potentially encountered in the UST area). The estimated quantity of soil/fill to be imported for backfill is 1,140 cubic yards.

5.4 Soil/Materials Management Plan

This section presents the approach to managing, disposing and reuse of soil, fill, and debris excavated from the Site. This plan is based on the current knowledge of Site conditions, and will be augmented with the additional data collected during remediation. A field engineer, scientist or geologist, under the direction of the RE or a QEP, will monitor and document the handling and transport of contaminated material removed from the Site for disposal as a regulated solid waste. A field engineer, scientist or geologist, under the direction of the RE or a QEP, will assist the remedial contractor in identifying impacted materials during excavation, determining materials suitable for direct load out versus temporary on-site stockpiling, selection of samples for waste characterization, and determining the proper off-site disposal facility. Separate stockpile areas will be constructed as needed for the various materials to be excavated or generated, with the intent to most efficiently manage and characterize the materials and to avoid comingling impacted materials with non-impacted soil.

The following three material types are reasonably anticipated to be encountered during the remediation:

- Track 4 SCO-Contaminated, Non-hazardous Material – This material refers to historic fill that contains contaminants that exceed the Restricted-Residential SCOs and will not be reused on-site. This material will be excavated throughout the Site to 3 to 5 feet as part of the Track 4 remedy. This material will be transported off-site, and disposed at a facility permitted to accept the material. Characterization sampling will be completed in conformance with the requirements of the disposal facility and post-excavation documentation samples will be collected to document residual soil conditions.

- Track 4 SCO-Petroleum-Impacted, Non-hazardous Material – This material refers to petroleum-impacted historic fill or soil associated with the potential on-site USTs that may contain contaminants that exceed the Restricted-Residential SCOs and will not be reused on-site. Grossly-impacted material with free product that may be a source to

groundwater contamination will be excavated as part of the Track 4 remedy, transported off-site, and disposed at a facility permitted to accept the material. Characterization sampling will be completed to conform to the requirements of the disposal facility and post-excavation documentation samples will be collected to document residual soil conditions.

- Hazardous Material – If determined hazardous during waste characterization sampling, this material will include soil with hazardous levels of metals (e.g., lead). This material is not currently anticipated based on the RI data. Excavated hazardous material will not be reused on-site, and must be transported off-site and disposed at a facility certified to accept the material. Hazardous material will be removed as shown on the remediation excavation drawing as part of the Track 4 remedy. Post-excavation documentation samples will be collected to document residual soil conditions.

5.4.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed by an engineer, geologist or scientist under the direct supervision of a PE or qualified environmental professional during all remedial and development excavations into known or potentially contaminated material (Residual Contamination Zone). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during the remedy and during development phase, such as excavations for foundations and utility work, prior to issuance of the Certificate of Completion.

All contaminant sources (including but not limited to tanks and hotspots) identified during Site Characterization, Remedial Investigation, and Remedial Action will be surveyed by a surveyor licensed to practice in the State of New York. This information will be provided on maps in the FER.

Field screening for evidence of contamination will be performed by field engineers, scientists or geologists under the direct supervision of the RE or QEP. Resumes will be provided for all personnel responsible for field screening (i.e. those representing the RE) of invasive work for known or unknown contaminant sources during remediation and development work.

5.4.2 Stockpile Methods

Soil stockpile areas, if needed for the different soil materials, will be constructed for staging of Site soil, pending loading or characterization testing. Separate stockpile areas will be constructed to avoid comingling materials of differing waste types. All stockpile areas will meet the following minimum requirements:

- The excavated soil will be placed onto a minimum thickness of 10-mil low-permeability liner of sufficient strength and thickness to prevent puncture during use; separate stockpiles will be created where material types are different (e.g., petroleum-impacted material stockpiled in a contaminated soil area). The use of multiple layers of thinner liners is permissible.
- Equipment and procedures will be used to place and remove the soil that will minimize the potential to jeopardize the integrity of the liner.
- Stockpiles will be covered at the designated times (see below) with minimum 6-mil plastic sheeting or tarps which will be securely anchored to the ground. Stockpiles will be routinely inspected and broken sheeting covers will be promptly replaced.
- Stockpiles will be covered upon reaching their capacity of approximately 1,000 cubic yards until ready for loading. Stockpiles that have not reached their capacity will be covered at the end of each workday.
- Active stockpiles will be covered at the end of each workday.
- Each stockpile area will be encircled with silt fences and hay bales, as needed to contain and filter particulates from any rainwater that has drained off the soils, and to mitigate the potential for surface water run-off.
- The stockpile areas will be inspected daily and noted deficiencies will be promptly addressed.

5.4.3 Materials Excavation and Load Out

Field engineers, scientists or geologists under the direct supervision of the RE or QEP will oversee all invasive work and the excavation and load-out of all excavated material. The Volunteer and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site has been investigated by the RE. It has been determined that no risk or impediment to the planned work under this RAWP is posed by known utilities or easements on the Site.

Loaded vehicles leaving the Site will be appropriately lined, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements). Trucks hauling historic fill will not be lined unless the material exhibits free liquids or is grossly impacted.

A truck wash/cleaning area will be operated on-site. The RE will be responsible for documenting that all outbound trucks will be washed/cleaned at the truck wash before leaving the Site until the remedial construction is complete. Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-site sediment tracking.

The RE will be responsible for documenting that all egress points for truck and equipment transport from the Site will be clean of dirt and other materials derived from the Site during Site remediation and development. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

The Volunteer and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all invasive work, the structural integrity of excavations, and for structures that may be affected by excavations (such as building foundations and bridge footings).

The RE will ensure that Site development activities will not interfere with, or otherwise impair or compromise, remedial activities proposed in this RAWP.

Each hotspot and structure to be remediated (e.g., USTs, vaults and associated piping, etc.) will be removed and post-excavation documentary sampling completed before excavations related to Site development commence proximal to the hotspot or structure.

Development-related grading cuts and fills will not interfere with, or otherwise impair or compromise, the performance of remediation required by this plan.

Mechanical processing of historical fill and contaminated soil on-site is prohibited, without pre-approval by NYSDEC.

5.4.4 Materials Transport Off-Site

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded. Trucks will enter the Site using Purves Street, 44th Drive or other routes approved by NYSDEC. All trucks loaded with Site materials will exit the vicinity of the Site using only approved truck routes.

Proposed in-bound and out-bound truck routes to the Site are shown in Figure 9. This is the most appropriate route and takes into account:

(a) limiting transport through residential areas and past sensitive sites;

(b) use of city mapped truck routes;

(c) prohibiting off- Site queuing of trucks entering the facility;

(d) limiting total distance to major highways;

(e) promoting safety in access to highways; and

(f) overall safety in transport;

(g) community input [where necessary]

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

To the extent possible, queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-Site queuing will be minimized.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

All truck carriages and wheels will be free from dirt and debris when leaving the Site. As required, truck wash waters will be collected and disposed of off-site in an appropriate manner.

5.4.5 Materials Disposal Off-Site

All soil/fill/solid waste excavated and removed from the Site will be handled, transported and disposed in accordance with all local, State (including 6 NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to NYSDEC's Project Manager. Unregulated off-site management of materials from this Site is prohibited without formal NYSDEC approval.

Material that does not meet Track 1 Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

The following documentation will be obtained and reported by the RE for each disposal location used in this project to fully demonstrate and document that the disposal of material derived from the Site conforms to all applicable laws:

(1) A letter from the RE or BCP Volunteer to the receiving facility describing the material to be disposed and requesting formal written acceptance of the material. This letter will state that material to be disposed is contaminated material generated at an

environmental remediation Site in New York State. The letter will provide the project identity and the name and phone number of the RE. The letter will include as an attachment a summary of all chemical data for the material being transported (including Site Characterization data); and

(2) A letter from each receiving facility stating it is in receipt of the correspondence (above) and is approved to accept the material. These documents will be included in the FER.

Nonhazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2

Historical fill and contaminated soils from the Site are prohibited from being disposed at Part 360-16 Registration Facilities (also known as Soil Recycling Facilities).

Soils that are contaminated but nonhazardous and are being removed from the Site are considered by the Division of Materials Management (DMM) in NYSDEC to be Construction and Demolition (C/D) materials with contamination not typical of virgin soils. These soils may be sent to a permitted Part 360 landfill. They may be sent to a permitted C/D processing facility without permit modifications only upon prior notification of NYSDEC Region 2 DMM. This material is prohibited from being sent or redirected to a Part 360-16 Registration Facility. In this case, as dictated by DMM, special procedures will include, at a minimum, a letter to the C/D facility that provides a detailed explanation that the material is derived from a DER remediation Site, that the soil material is contaminated and that it must not be redirected to on-site or off-site Soil Recycling Facilities. The letter will provide the project identity and the name and phone number of the RE. The letter will include as an attachment a summary of all chemical data for the material being transported.

The FER will include an accounting of the destination of all material removed from the Site during this Remedial Action, including excavated soil, contaminated soil, historic fill, solid waste, and hazardous waste, non-regulated material, and fluids. Documentation associated with disposal of all material must also include records and approvals for receipt of the material. This information will also be presented in a tabular form in the FER.

Bill of Lading system or equivalent will be used for off-site movement of nonhazardous wastes and contaminated soils. This information will be reported in the FER.

Hazardous wastes derived from on-site will be stored, transported, and disposed of in full compliance with applicable local, State, and Federal regulations.

Appropriately licensed haulers will be used for material removed from this Site and will be in full compliance with all applicable local, State and Federal regulations.

Waste characterization will be performed for off-site disposal in a manner suitable to the receiving facility and in conformance with applicable permits. Sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the FER. All data available for soil/material to be disposed at a given facility must be submitted to the disposal facility with suitable explanation prior to shipment and receipt.

5.4.6 Materials Reuse On-Site

Soil excavated during installation of foundation components may be reused if the requirements in this section are met. Grossly-impacted soil will not be reused. The existing building concrete slab will be removed during Site demolition and may be reused for backfill at the Site. Reused soil must be nonhazardous and meet the lower of 6 NYCRR 375-6(b) Restricted-Residential Restricted Use or Protection of Groundwater SCOs in accordance with the predetermined beneficial use determination listed in 6 NYCRR § 360-1.15(b). The Protection of Groundwater SCOs apply only to compounds or analytes detected in groundwater at concentrations that exceeded the Class GA TOGS AWQS. If any of the waste materials are used for an end use specified in Section 360-1.15(b), it will not be considered a solid waste. Soil removed during implementation of the remedy or removed for grading or other purposes will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines. Reuse of soil will be coordinated in advance with the NYSDEC case manager. Material deemed unfit for reuse will be transported for off-site disposal.

5.4.7 Fluids Management

Collection and pretreatment of contaminated groundwater is not anticipated for remedial excavations, however it may be needed for excavations associated with foundation components and/or an elevator pit. All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Liquids discharged into the New York City sewer system will be addressed through approval by NYCDEP.

Localized construction dewatering of contaminated groundwater will be required to excavate the elevator pits. This dewatering is considered a remedial component inasmuch as it is necessary to facilitate excavation for the elevator pits. Limited dewatering may be conducted via a sump pump or well point system. Dewatering fluids will either be containerized for off-site disposal of discharged to a NYC sewer in accordance with a NYSDEP permit but will not be recharged back to the land surface of the Site. Based on the NYCDEP's effluent limitations, the

contractor may be required to install additional pretreatment utilities for dewatering fluids to reduce contaminant concentration below the NYCDEP effluent limitations prior to discharge. Additional pretreatment may include bag filters, carbon filtration, etc. If the contractor's dewatering system has a pumping capacity of greater than 45 gallons per minute, a Long Island Well permit will be obtained from NYSDEC. If the contractor will discharge more than 10,000 gallons per day, they will also have to obtain a NYCDEP Temporary Discharge of Groundwater into the City Sewer System Permit. Collected groundwater or rainwater will be discharged, as defined by the NYCDEP permit, into the New York City sewer system, via an entry point acceptable to the NYCDEP. If required, the dewatering and treatment system will be designed by the contractor's New York State-licensed Professional Engineer.

5.4.8 Demarcation

After the completion of soil removal and any other invasive remedial activities and prior to backfilling, a land survey will be performed by a New York State licensed surveyor. The survey will define the top elevation of residual contaminated soil. A physical demarcation layer, consisting of orange snow fencing material or equivalent material will be placed on this surface to provide a visual reference, where the surface is capped with clean soil (e.g., landscaped area). The demarcation layer is not required if the residual soil is capped with impervious surface cover (e.g., concrete slab). This demarcation layer will constitute the top of the 'Residuals Management Zone', the zone that requires adherence to special conditions for disturbance of contaminated residual soils defined in the SMP. The survey will measure the grade covered by the demarcation layer before the placement of cover soils, pavement and sub-soils, structures, or other materials. This survey and the demarcation layer placed on this grade surface will constitute the physical and written record of the upper surface of the 'Residuals Management Zone' in the SMP. A map showing the survey results will be included in the FER and the SMP.

5.4.9 Backfill from Off-Site Sources

All materials proposed for import onto the Site will be approved by the RE and will be in compliance with provisions in this RAWP prior to receipt at the Site. Material from industrial sites, spill sites, other environmental remediation sites or other potentially contaminated sites will not be imported to the Site. Solid waste will not be imported onto the Site.

The FER will include the following certification by the RE: "I certify that all import of soils from off-site, including source evaluation, approval and sampling, has been performed in a manner that is consistent with the methodology defined in the RAWP".

Backfill material will consist of clean fill (as described in the following paragraph) or other acceptable fill material such as virgin, native 0.75-inch stone from a quarry or RCA. If RCA is imported to the Site, it will be from NYSDEC-permitted or registered facilities in compliance 6 NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require chemical testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover, or drainage layer material.

All imported soils will meet NYSDEC approved backfill or cover soil quality objectives for this Site. These NYSDEC approved backfill or cover soil quality objectives are the lower of the protection of groundwater or the protection of public health soil cleanup objectives for Restricted-Residential Restricted use as set forth in Table 375-6.8(b) of 6 NYCRR Part 375. Non-compliant soils will not be imported without prior approval by NYSDEC. Nothing in the approved RAWP or its approval by NYSDEC should be construed as an approval for this purpose.

The clean fill would be segregated at a source/facility that is free of environmental contaminants. Qualified environmental personnel would collect representative samples at a frequency consistent with CP-51 / Soil Cleanup Guidance. The samples would be analyzed for Part 375 VOCs (EPA Method 8260), SVOCs (EPA Method 8270), pesticides/PCBs (EPA Method 8082/8081) and metals by an NYSDOH ELAP-certified laboratory. Upon meeting these criteria, the certified-clean fill would be transported to the site and segregated from impacted material, as necessary, on plastic sheeting until it is used as backfill.

Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Nothing in this RAWP should be construed as an approval for this purpose. Trucks entering the Site with imported soils will be securely covered with tight fitting covers.

5.4.10 Stormwater Pollution Prevention

Silt fencing or hay bales will be installed around the perimeter of the remedial construction area, as required. Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering. Erosion and sediment control

measures identified in the RAWP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

5.4.11 Contingency Plan

If underground tanks or other previously unidentified contaminant sources are found during on-site remedial excavation or development related construction, sampling will be performed on product, sediment and surrounding soils, etc. Chemical analytical work will be for full scan parameters Part 375 and TCL/TAL listed VOCs, SVOCs, metals, pesticides, and PCBs. These analyses will not be limited to STARS parameters where tanks are identified without prior approval by NYSDEC. Analyses will not be otherwise limited without NYSDEC approval.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. These findings will be also included in daily and periodic electronic media reports.

5.4.12 Community Air Monitoring Plan (CAMP)

Community air monitoring will be conducted in compliance with the NYSDOH Generic CAMP outlined below and included in Appendix H).

The CAMP includes real-time monitoring for VOCs and particulates at the downwind perimeter of each designated work area when certain activities are in progress. Continuous monitoring is required for all ground intrusive activities and during demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting and trenching, and the installation of soil borings or monitoring wells. Periodic monitoring for VOCs is required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location.

CAMP monitoring for VOCs levels will be conducted with PIDs, and monitoring for dust/particulates will be conducted with particulate sensors equipped with filters to detect particulates less than 10 microns in diameter (PM10). Monitoring for particulates and odors will be conducted during all ground intrusive activities by the RE's field inspector. The work zone is defined as the general area in which machinery is operating in support of remediation activities. A portable PID will be used to monitor the work zone and for periodic monitoring for VOCs

during activities such as soil and groundwater sampling. The Site perimeter will be visually monitored for fugitive dust emissions.

The following actions will be taken based on VOC levels measured:

- If total VOC levels exceed 5 ppm above background for the 15-minute average at the perimeter, work activities will be temporarily halted and monitoring continued. If levels readily decrease (per instantaneous readings) below 5 ppm above background, work activities will resume with continued monitoring.

- If total VOC levels at the downwind perimeter of the hot zone persist at levels in excess of 5 ppm above background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps work activities will resume provided that the total organic vapor level 200 feet downwind of the hot zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less – but in no case less than 20 feet, is below 5 ppm above background for the 15-minute average.

- If the total VOC level is above 25 ppm at the perimeter of the hot zone, activities will be shut down.

The following actions will be taken based on visual dust observations:

- If the downwind particulate level is 100 micrograms per cubic meter (µg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression must be employed. Work may continue with dust suppression techniques provided that downwind PM10 levels do not exceed 150 µg/m^3 above the background level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM10 levels are greater than 150 µg/m^3 above the background level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM10 concentration to within 150 µg/m^3 of the upwind level and in preventing visible dust migration.

Exceedances observed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers and included in the Daily Report.

5.4.13 Odor, Dust and Nuisance Control Plan

Dust, odor and nuisance control will be accomplished by the remediation contractor as described in this section. The FER will include the following certification by the RE: "I certify that all invasive work during the remediation and all invasive development work were conducted in accordance with dust and odor suppression methodology defined in the RAWP."

5.4.13.1 Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors off-site. Specific odor control methods to be used on a routine basis will include application of foam suppressants or tarps over the odor or VOC source areas. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project. Implementation of all odor controls, including the halt of work, will be the responsibility of the Volunteer's RE, who is responsible for certifying the FER. Application of odor controls is the responsibility of the remedial contractor.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (a) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (b) use of staff to monitor odors in surrounding neighborhoods.

Although not anticipated, where odor nuisances have developed during remedial work and cannot be corrected, or where the release of nuisance odors cannot otherwise be avoided due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering excavation and handling areas under tented containment structures equipped with appropriate air venting/filtering systems.

5.4.13.2 Dust Control Plan

Dust suppression will include, at a minimum, the controls listed below:

- Dust suppression will be achieved through the use of a dedicated water distribution system or on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.

- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

5.4.13.3 Other Nuisances

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work and will conform, at a minimum, to NYCDEP noise control standards.

6.0 RESIDUAL CONTAMINATION TO REMAIN ON-SITE

Because residual contaminated soil and groundwater will exist beneath the Site after the remedy is complete, Engineering and Institutional Controls (ECs and ICs) are required to protect human health and the environment. These ECs and ICs are described hereafter. Long-term management of EC/ICs and of residual contamination will be executed under a Site-specific SMP that will be developed and included in the FER.

ECs will be implemented to protect public health and the environment by appropriately managing residual contamination. The Controlled Property (the Site) will have three primary EC systems: 1) vapor barrier, 2) a cellar ventilation system; and 3) a Site cover system consisting of a concrete building slab.

The FER will report residual contamination in tabular and map form. This will include presentation of contaminant concentrations that exceed both Track 1 and Track 4 SCOs.

7.0 ENGINEERING CONTROLS

7.1 Vapor Barrier

Exposure to residual contaminated soil vapor will be prevented by an engineered, continuous vapor barrier installed on subsurface slabs and walls of the section of the proposed development that will not be used for a ventilated parking garage. The barrier will consist of Grace Preprufe 300R (or its approved equivalent) underneath the slab and Grace Preprufe 160R or Bituthene (or its approved equivalent) on the subsurface walls. The vapor barrier extents are shown on Figure 7, and the vapor barrier manufacturer's documentation and specifications are included as Appendix E.

7.2 Soil Vapor Mitigation System

In addition to the vapor barrier, a cellar ventilation system consistent with code for a ventilated parking garage will be installed in the future Site building.

The cellar level mechanical space will be ventilated consistent with code for a ventilated parking garage. The cellar ventilation requirements will not be required if the lowest level building use was a ventilated parking garage or the lowest level of foundation slab is in the groundwater table. The cellar level mechanical ventilation system will be listed as an Engineering Control and recorded in the Environmental Easement (Section 3.3.11).

7.3 Site Cover System

Exposure to residual contaminated soils will be prevented by an engineered, Site cover system. This Site cover system will be comprised of a reinforced concrete building slab. The area outside the building footprint will be capped with a concrete, asphalt, or pavers set in concrete cover or a soil cap consisting of at least 2 feet of imported clean fill (meeting the lower of the protection of the groundwater or the protection of public health for restricted residential use SCOs). Proposed development plans are provided in Appendix B, and a Site cover system plan is included as Figure 8.

A Soil Management Plan will be included in the SMP and will outline the procedures to be followed in the event that the Site cover system and underlying residual contamination are disturbed after the Remedial Action is complete. Maintenance of this Site cover system will be described in the SMP in the FER.

8.0 CRITERIA FOR COMPLETION OF REMEDIATION/TERMINATION OF ENGINEERING CONTROL SYSTEMS

The below sections describe the criteria for completion of remediation and termination of remedial systems.

8.1 Site Cover System and Vapor Barrier

The below sections describe the criteria for completion of remediation and termination of remedial systems.

8.2 Vapor Mitigation System

8.2.1 Cellar Ventilation System

The cellar ventilation system will not be discontinued without written approval by NYSDEC and NYSDOH. A proposal to discontinue the cellar ventilation system may be submitted by the property owner based on confirmatory data that justifies such request. Systems will remain in place and operational until permission to discontinue use is granted in writing by NYSDEC and NYSDOH. Refer to Appendix F for cellar ventilation design details.

9.0 INSTITUTIONAL CONTROLS

After the remedy is complete, the Site will have residual contamination remaining in place. Engineering Controls for the residual contamination have been incorporated into the remedy to render the overall Site remedy protective of public health and the environment. Two elements have been designed to ensure continual and proper management of residual contamination in perpetuity: an Environmental Easement and an SMP. These elements are described in this Section.

A Site-specific Environmental Easement will be recorded with the New York City Register's Office for Queens County to provide an enforceable means of ensuring the continual and proper management of residual contamination and protection of public health and the environment in perpetuity or until released in writing by NYSDEC. It requires that the grantor of the Environmental Easement and the grantor's successors and assigns adhere to all Engineering and Institutional Controls (ECs/ICs) placed on this Site by this NYSDEC-approved remedy. ICs provide restrictions on Site usage and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. The SMP describes appropriate methods and procedures to ensure compliance with all ECs and ICs that are required by the Environmental Easement. Once the SMP has been approved by the NYSDEC, compliance with the SMP is required by the grantor of the Environmental Easement and grantor's successors and assigns.

9.1 Environmental Easement

An Environmental Easement, as defined in Article 71 Title 36 of the Environmental Conservation Law, is required when residual contamination is left on-site after the Remedial Action is complete. As part of this remedy, an Environmental Easement approved by NYSDEC will be filed and recorded with the New York City Register's Office for Queens County. The Environmental Easement will be submitted as part of the FER.

The Environmental Easement renders the Site a Controlled Property. The Environmental Easement must be recorded with the New York City Register's Office for Queens County before the Certificate of Completion can be issued by NYSDEC. A series of Institutional Controls are required under this remedy to implement, maintain and monitor these Engineering Control systems, prevent future exposure to residual contamination by controlling disturbances of the subsurface soil and restricting the use of the Site to Restricted-Residential, Commercial or Industrial restricted use(s) only. These Institutional Controls are requirements or restrictions placed on the Site that are listed in, and required by, the Environmental Easement. Institutional Controls can, generally, be subdivided between controls that support ECs, and those that place

general restrictions on Site usage or other requirements. Institutional Controls in both of these groups are closely integrated with the SMP, which provides all of the methods and procedures to be followed to comply with this remedy.

The Institutional Controls that support ECs are:

- Compliance with the Environmental Easement by the Grantee and the Grantee's successors and adherence to all elements of the SMP is required;
- All ECs must be operated and maintained as specified in the SMP;
- A Site cover system consisting of the concrete building slabs must be inspected, certified and maintained as required in the SMP;
- A soil vapor mitigation system consisting of a vapor barrier and a cellar ventilation system must be inspected, certified, operated and maintained as required by the SMP;
- All ECs on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary to ensure proper functioning in the manner specified in the SMP;
- ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement. The Environmental Easement may be extinguished only by release by the Commissioner of NYSDEC, or the Commissioner's designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

Adherence to these Institutional Controls for the Site will be mandated by the Environmental Easement and will be implemented under the SMP (discussed in the next section). The Controlled Property (Site) will also have a series of Institutional Controls in the form of Site restrictions and requirements. The Site restrictions that apply to the Controlled Property are:

- Vegetable gardens and farming on the Controlled Property are prohibited;
- Use of groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose;

- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- The Controlled Property may be used for Restricted-Residential restricted use only, provided the long-term Engineering and Institutional Controls included in the SMP are employed;
- The Controlled Property may not be used for a higher level of use, such as residential use without an amendment or extinguishment of this Environmental Easement;
- Grantor agrees to submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This statement must be certified by an expert that the NYSDEC finds acceptable.

9.2 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the FER and issuance of the Certificate of Completion for the Remedial Action. The SMP is submitted as part of the FER but will be written in a manner that allows its use as a complete and independent document. Site Management continues in perpetuity or until released in writing by NYSDEC. The property owner is responsible to ensure that all Site Management responsibilities defined in the Environmental Easement and the SMP are performed.

The SMP is intended to provide a detailed description of the procedures required to manage residual contamination left in place at the Site following completion of the Remedial Action in accordance with the BCA with the NYSDEC. This includes: (1) development, implementation, and management of all Engineering and Institutional Controls; (2) development and implementation of monitoring systems and a Monitoring Plan; (3) development of a plan to operate and maintain any treatment, collection, containment, or recovery systems (including, where appropriate, preparation of an Operation and Maintenance Manual); (4) submittal of Site Management Reports, performance of inspections and certification of results, and demonstration of proper communication of Site information to NYSDEC; and (5) defining criteria for termination of treatment system operation.

To address these needs, this SMP will include four plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site monitoring; (3) an Operation and Maintenance Plan for implementation of remedial collection, containment, treatment, and recovery systems; and (4) a Site Management Reporting Plan for submittal of data, information, recommendations, and certifications to NYSDEC. The SMP will be prepared in accordance with the requirements in NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation and the guidelines provided by NYSDEC.

Site management activities, reporting, and EC/IC certification will be scheduled on a certification period basis. The certification period will be annual and will be due for submission to NYSDEC within 45 days of the end of the reporting period.

No exclusions for handling of residual contaminated soils will be provided in the SMP. All handling of residual contaminated material will be subject to provisions contained in the SMP.

10.0 FINAL ENGINEERING REPORT

A FER and SMP will be submitted to NYSDEC following implementation of the Remedial Action defined in this RAWP. The FER provides the documentation that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The FER will provide a comprehensive account of the locations and characteristics of all material removed from the Site including the surveyed map(s) of all sources. The FER will include as-built drawings for all constructed elements, certifications, manifests, bills of lading as well as the complete SMP (formerly the Operation and Maintenance Plan). The FER will provide a description of the changes in the Remedial Action from the elements provided in the RAWP and associated design documents. The FER will provide a tabular summary of all performance evaluation sampling results and all material characterization results and other sampling and chemical analysis performed as part of the Remedial Action. The FER will provide test results demonstrating that all mitigation and remedial systems are functioning properly. The FER will be prepared in conformance with DER-10.

Where determined to be necessary by NYSDEC, a Financial Assurance Plan will be required to ensure the sufficiency of revenue to perform long-term operations, maintenance and monitoring tasks defined in the SMP and Environmental Easement. This determination will be made by NYSDEC in the context of the FER review.

The FER will include written and photographic documentation of all remedial work performed under this remedy.

The FER will include an itemized tabular description of actual costs incurred during all aspects of the Remedial Action.

The FER will provide a thorough summary of all residual contamination left on the Site after the remedy is complete. Residual contamination includes all contamination that exceeds the Track 1 Unrestricted Use SCO in 6NYCRR Part 375-6. A table that shows exceedances from Track 1 Unrestricted SCOs for all soil/fill remaining at the Site after the Remedial Action and a map that shows the location and summarizes exceedances from Track 1 Unrestricted SCOs for all soil/fill remaining at the Site after the Remedial Action will be included in the FER.

The FER will provide a summary of residual contamination that exceeds the SCOs defined for the Site in the RAWP and an explanation for why the material was not removed as part of the Remedial Action. A table that shows residual contamination in excess of Site SCOs and a map that shows residual contamination in excess of Site SCOs will be included in the FER.

The FER will include an accounting of the destination of all material removed from the Site, including excavated contaminated soil, historic fill, solid waste, hazardous waste, non-regulated material, and fluids. Documentation associated with disposal of all material must also include records and approvals for receipt of the material. It will provide an accounting of the origin and chemical quality of all material imported onto the Site.

Before approval of a FER and issuance of a Certificate of Completion, all project reports must be submitted in digital form on electronic media (PDF).

10.1 Certifications

The following certification will appear in front of the Executive Summary of the FER. The certification will be signed by the RE, Jason Hayes, who is a Professional Engineer registered in New York State. This certification will be appropriately signed and stamped. The certification will include the following statements:

I _____certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Remedial Work Plan (or Remedial Design or Plans and Specifications) was implemented and that all construction activities were completed in substantial conformance with the DER-approved Remedial Work Plan (or Remedial Design or Plans and Specifications).

The data submitted to DER demonstrates that the remediation requirements set forth in the Remedial Work Plan (or Remedial Design or Plans and Specifications) and all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in the work plan (or Remedial Design or Plans and Specifications).

All use restrictions, institutional controls, ECs and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant to ECL 71-3605 and that any affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

A SMP has been submitted for the continual and proper operation, maintenance, and monitoring of any ECs employed at the Site including the proper maintenance of any remaining monitoring wells, and that such plan has been approved by DER.

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

11.0 SCHEDULE

Mobilization will commence prior to remedial activities at the Site and is expected to take approximately 2 weeks. Once mobilization is complete, the remedial activities can begin, and are anticipated to take approximately 4 months. Within 90 days of completion of all remedial activities at the Site, a FER will be submitted to NYSDEC as detailed in Section 10.0. A Gantt chart showing a detailed project schedule is included in Appendix L.

Tables

Table 1

Restricted-Residential Restricted Use SCOs
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

VOCS (mg/kg)	
1,1,1-Trichloroethane	100
1,1-Dichloroethane	26
1,1-Dichloroethylene	100
1,2,4-Trimethylbenzene	52
1,2-Dichlorobenzene	100
1,2-Dichloroethane	3.1
1,3,5-Trimethylbenzene	52
1,3-Dichlorobenzene	49
1,4-Dichlorobenzene	13
1,4-Dioxane	13
2-Butanone	100
Acetone	100
Benzene	4.8
Carbon tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
cis-1,2-Dichloroethylene	100
Ethyl Benzene	41
Methyl tert-butyl ether (MTBE)	100
Methylene chloride	100
n-Butylbenzene	100
n-Propylbenzene	100
sec-Butylbenzene	100
tert-Butylbenzene	100
Tetrachloroethylene	19
Toluene	100
trans-1,2-Dichloroethylene	100
Trichloroethylene	21
Vinyl Chloride	0.9
Xylenes, Total	100
Metals (mg/kg)	
Arsenic	16
Barium	400
Beryllium	72
Cadmium	4.3
Chromium, hexavalent	110
Chromium, trivalent	180
Copper	270
Lead	400
Manganese	2000
Mercury	0.81
Nickel	310
Selenium	180
Silver	180
Zinc	10000

SVOCS (mg/kg)	
2-Methylphenol	100
Acenaphthene	100
Acenaphthylene	100
Anthracene	100
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(g,h,i)perylene	100
Benzo(k)fluoranthene	3.9
Chrysene	3.9
Dibenzo(a,h)anthracene	0.33
Dibenzofuran	59
Fluoranthene	100
Fluorene	100
Hexachlorobenzene	1.2
Indeno(1,2,3-cd)pyrene	0.5
Naphthalene	100
Pentachlorophenol	6.7
Phenanthrene	100
Phenol	100
Pyrene	100
PCBs/Pesticides (mg/kg)	
2,4,5-TP Acid (Silvex)	100
4,4'-DDE	8.9
4,4'-DDT	7.9
4,4'-DDD	13
Aldrin	0.097
alpha-BHC	0.48
beta-BHC	0.36
Chlordane (alpha)	4.2
delta-BHC	100
Dibenzofuran	59
Dieldrin	0.2
Endosulfan I	24
Endosulfan II	24
Endosulfan sulfate	24
Endrin	11
Heptachlor	2.1
Lindane	1.3
Polychlorinated biphenyls	1

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

Table 2
Alternative I Remedial Cost Estimate - Track 1 - Unrestricted Use SCOs
27-21 44th Drive and 44-18 Purves Street
Block No. 268, Lots No. 4 and 23
Long Island City, New York

Track 1 – Unrestricted Use

Item No.	Description of Environmental Premium Item	Estimated Quantity		Unit Price		Estimated Premium
A - CONTRACTOR FEES						
A-1	Demolition - Includes demolition and removal of existing site structures			**Allowance**		**$300,000**
A-2	Remediation Facilities, Mobilization, Demobilization, and Site Maintenance - Remediation and decontamination facilities, site fencing, trailer, truck cleaning facilities, etc.			**Allowance**		**$150,000**
A-3	Contaminated Material Excavation - Accounts for excavation of material containing concentrations exceeding Unrestricted Use Soil Cleanup Objectives.	**6,800**	**CY**	**$25**	**per CY**	**$170,000**
A-4	Transport and Disposal of Urban Fill - Includes transport vehicles and disposal of urban fill at a permitted facility.	**9,600**	**Tons**	**$50**	**per Ton**	**$480,000**
A-5	Transport and Disposal of Urban Fill with Hazardous Metals - Includes transport vehicles and disposal of urban fill at a permitted facility.	**300**	**Tons**	**$200**	**per Ton**	**$60,000**
A-6	Transport and Disposal of Petroleum Contaminated Material - Includes transport vehicles and disposal of petroleum-impacted fill material at a permitted facility.	**300**	**Tons**	**$80**	**per Ton**	**$24,000**
A-7	UST Removal - Registration, cleaning, removal and disposal of potential USTs. Includes the cost for the two anticipated USTs.	**1**	**LS**	**$20,000**	**LS**	**$20,000**
A-8	Dust, Odor and Vapor Control - Includes odor, dust, and organic vapor control during the excavation of petroleum-impacted material, removal of USTs, and remediation of the Site. Assumes control measures will include, but not be limited to application of odor suppressant, foam or water.	**4**	**Months**	**$10,000**	**per Month**	**$40,000**
A-9	Support of Excavation - Includes sheeting or shoring along the perimeter of the Site.	**7,800**	**SF**	**$175**	**per SF**	**$1,365,000**
A-10	Underpinning - Accounts for foundation stabilization of the northern adjoining buildings during excavation.			**Allowance**		**$200,000**
A-11	Dewatering/Fluid Treatment - Accounts for the design, installation, and for cost to operate and maintain the dewatering and treatment system for 2 months.			**Allowance**		**$500,000**
A-12	Backfill - Import and placement of clean fill material to bring site to development grade. An additional 30% of material is included to account for compaction.	**5,900**	**CY**	**$45**	**per CY**	**$265,500**
A-13	Active Submembrane Depressurization System (SMD) System (Allowance) - To be installed under portions of the Site building that will not be used as a ventilated parking garage.			**Lump Sum**		**$100,000**
A-14	Vapor Barrier - The vapor barrier will be a minimum 20 mil thickness and installed as a continuous subslab membrane under slabs and outside subsurface walls.	**17,000**	**SF**	**$9**	**per SF**	**$153,000**
A-15	Mud Slab - To be poured on top of backfill layer in support of SMD system and vapor barrier installation.	**12,100**	**SF**	**$4**	**per SF**	**$49,000**
					SUBTOTAL (without contingency)	**$3,877,000**
					Remediation Contingency (25% of Contractor Costs)	**$970,000**
					SUBTOTAL (with contingency)	**$4,847,000**
B - ENGINEERING AND REMEDIATION OVERSIGHT FEES						
B-1	Preliminary Waste Characterization -Includes in-situ characterization of soil for off-site disposal in accordance with the criteria of most disposal facilities. Pre-characterization of the material to be removed as part of development/remedial excavation will assist in obtaining pre-approval from disposal facilities and understanding disposal cost.			**Lump Sum**		**$65,000**
B-2	Engineering Oversight during RAWP Implementation, Monthly and Daily Reporting - Full time oversight and office support	**4**	**Months**	**$**	**30,000 per Month**	**$120,000**
B-3	Community air monitoring program (CAMP) - Includes fulltime equipment rental and operation of perimeter dust and volatile organic compounds monitors and daily reporting.	**4**	**Months**	**$**	**2,500 per Month**	**$10,000**
B-4	Documentation Sampling - To confirm contaminated material removal (assumes analysis for VOCs, SVOCs, PCBs, pesticides, and metals for each sample).			**Lump Sum**		**$30,000**
B-5	Final Engineering Report (FER) and NYSBCP Closeout			**Lump Sum**		**$50,000**
					SUBTOTAL	**$275,000**
					REMEDIAL ALTERNATIVE 1 - TRACK 1 BCP ESTIMATE - SITE PREPARATION (without contingency)	**$4,152,000**
					REMEDIAL ALTERNATIVE 1 - TRACK 1 BCP ESTIMATE - SITE PREPARATION (with contingency)	**$5,122,000**

General Assumptions and Conditions:

1. Cost estimate is based on Langan past experience and generalized vendor estimates using 2013 dollars.
2. This estimate has been prepared for the purposes of comparing potential remedial alternatives. The information in this cost estimate is based on the available information regarding the site investigation and the anticipated scope of the remedial alternative. Changes in cost elements are likely to occur as a result of new information and data collected during the engineering design of the remedial alternative. This cost estimate is expected to be within -30% to +50% of the actual cost. Utilization of this cost estimate information beyond the stated purpose is not recommended. Langan is not licensed to provide financial or legal consulting services; as such, this cost estimate information is not intended to be utilized for complying with financial reporting requirements associated with liability services.
3. The density used for conversion from cubic yards to tons was 1.5 tons per cubic yard.
4. Excavation depths were calculated using Phase II and Remedial Investigation soil sample results, field observations, and observed fill depths.
5. If contamination could not be delineated vertically based on soil sample results, it was assumed that contamination extended to the terminus of historic fill.

Contractor Cost Assumptions:

Item A-3: The unit rate provided reflects construction labor to be OSHA certified.

Item A-5: Hazardous material disposal assumes union disposal costs for the New York City area. This number is an allowance (hazardous material presence has not been confirmed). This item does not include hazardous waste fees and taxes, which should be waived considering the site is the NYS BCP.

Items A-4 to A-6: A truck wash area will be established and maintained near the exit of the site. All trucks that have come into contact with site contaminated material will need to be washed prior to leaving Site. All trucks containing hazardous waste or petroleum-impacted material shall be lined.

Item A-8: Vapor/odor control cost estimate includes equipment, and materials necessary to monitor vapor/odor emission during intrusive site activities. Cost estimate includes application of vapor/odor suppressing foam to open excavations and soil loaded into trucks.

Item A-13: The SMD system, if required based on final development plans, will include a subslab collection layer (6- to 12-inch layer of ¾-inch clean stone) with horizontal perforated collection pipes, riser pipes to convey the collected vapor to the roof, and a roof-mounted blower system that will maintain a constant negative pressure through the piping and collection layer. Two riser pipers and blowers systems are anticipated.

Item A-14: Additional vapor barrier needed on sidewalls of the building perimeter and deep foundation elements was estimated by adding a 40% markup to the building area.

Engineering Cost Assumptions:

Item B-1: Sampling frequency based on 6,800 cubic yards of material at a conservative rate of 500 cubic yards/sample. A representative suite (not disposal facility specific) of analyses was assumed. Sample collection activities assumed to occur over a three-day, single mobilization. Assumes standard turnaround time for sample analysis.

Item B-2: Engineering oversight includes community air monitoring program (CAMP), onsite engineer throughout remediation, remediation health and safety including purchase and maintenance of appropriate PPE, periodic office reporting to NYSDEC, and 2 site meetings per month.

Item B-3: Community air monitoring program (CAMP) assumed duration of four months. CAMP scope includes fulltime equipment operation of perimeter dust and volatile organic compounds monitors and daily reporting.

Item B-4: Confirmation samples scope based on 15 samples analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), PCBs, pesticides, and metals. Cost includes labor and materials to collect samples and subcontracted laboratory analysis by a New York State Department of Health (NYSDOH) environmental laboratory approval program (ELAP)-accredited laboratory. Assumes standard turnaround time for sample analysis.

Table 3
Alternative II Remedial Cost Estimate - Track 4 - Site-Specific SCOs
27-21 44th Drive and 44-18 Purves Street
Block No. 268, Lots No. 4 and 23
Long Island City, New York

Track 4 – Restricted Use with Site-Specific SCOs

Item No.	Description of Environmental Premium Item	Estimated Quantity		Unit Price		Estimated Premium
A - CONTRACTOR FEES						
A-1	Demolition - Includes demolition and removal of existing site structures			Allowance		$300,000
A-2	Remediation Facilities, Mobilization, Demobilization, and Site Maintenance - Remediation and decontamination facilities, trailer, truck cleaning facilities, etc.			Allowance		$100,000
A-3	Contaminated Material Excavation - Accounts for excavation of material containing concentrations exceeding the cleanup levels that are estimated to be agreed upon with NYSDEC (assumes excavation can be safely executed with sloping as the only excavation support method)	1,400	CY	$25	per CY	$35,000
A-4	Transport and Disposal of Urban Fill - Includes transport vehicles and disposal of urban fill at a permitted facility.	1,500	Tons	$50	per Ton	$75,000
A-5	Transport and Disposal of Urban Fill with Hazardous Metals - Includes transport vehicles and disposal of urban fill at a permitted facility.	300	Tons	$200	per Ton	$60,000
A-6	Transport and Disposal of Petroleum Contaminated Material - Includes transport vehicles and disposal of petroleum-impacted fill material at a permitted facility.	300	Tons	$85	per Ton	$25,500
A-7	UST Removal - Registration, cleaning, removal and disposal of potential USTs. Includes the cost for the two anticipated USTs.			Lump Sum		$20,000
A-8	Dust, Odor and Vapor Control - Includes odor, dust, and organic vapor control during the excavation of petroleum-impacted material, removal of USTs, and remediation of the Site. Assumes control measures will include, but not be limited to application of odor suppressant, foam or water.	3	Months	$10,000	per Month	$30,000
A-9	Support of Excavation - Accounts for design and implementation of excavation support along 44th Drive and along the northern property boundary			Allowance		$300,000
A-10	Backfill - Import and placement of clean fill material to bring site to development grade. An additional 30% of material is included to account for compaction.	1,140	CY	$45	per CY	$51,300
A-11	Incidental Groundwater Collection and Disposal - Accounts for limited, localized groundwater pumping, collection and disposal to accommodate small excavations that may required below the water table for an elevator pit or similar.			Allowance		$60,000
A-12	Cellar Ventilation System or Active Submembrane Depressurization System (SMD) System (Allowance)- To be installed under portions of the Site building that will not be used as a ventilated parking garage.			Lump Sum		$100,000
A-13	Vapor Barrier - The vapor barrier will be a minimum 20 mil thickness and installed as a continuous subslab membrane under slabs and outside subsurface walls.	17,000	SF	$9	per SF	$153,000
A-14	Mud Slab - To be poured on top of backfill layer in support of SMD system and vapor barrier installation.	12,100	SF	$4	per SF	$49,000
A-14	Composite Cap (Concrete slab) - 6-inch reinforced structural slab to be poured above the vapor barrier.	17,000	SF	$17.50	per SF	$298,000
					SUBTOTAL (without contingency)	$1,656,800
					Remediation Contingency (25% of Contractor Costs)	$415,000
					SUBTOTAL (with contingency)	$2,071,800
B - ENGINEERING AND REMEDIATION OVERSIGHT FEES						
B-1	Preliminary Waste Characterization -Includes in-situ characterization of soil for off-site disposal in accordance with the criteria of most disposal facilities. Pre-characterization of the material to be removed as part of development/remedial excavation will assist in obtaining pre-approval from disposal facilities and understanding disposal cost.			Lump Sum		$30,000
B-2	Engineering Oversight during RAWP Implementation, Monthly and Daily Reporting - Full time oversight and office support	3	Months	$ 33,000	per Month	$99,000
B-3	Community air monitoring program (CAMP) - Includes fulltime equipment rental and operation of perimeter dust and volatile organic compounds monitors and daily reporting.	3	Months	$ 2,500	per Month	$7,500
B-4	Documentation Sampling - To confirm source material removal (assumes analysis for VOCs, SVOCs, PCBs, pesticides, and metals for each sample).			Lump Sum		$30,000
B-5	Final Engineering Report (FER), Site Management Plan (SMP) and NYSBCP Closeout			Lump Sum		$30,000
					SUBTOTAL	$196,500
					REMEDIAL ALTERNATIVE 2 - TRACK 4 BCP ESTIMATE - SITE PREPARATION (without contingency)	$1,853,300
					REMEDIAL ALTERNATIVE 2 - TRACK 4 BCP ESTIMATE - SITE PREPARATION (with contingency)	$2,268,300

General Assumptions and Conditions:

1. Cost estimate is based on Langan past experience and generalized vendor estimates using 2013 dollars.

2. This estimate has been prepared for the purposes of comparing potential remedial alternatives. The information in this cost estimate is based on the available information regarding the site investigation and the anticipated scope of the remedial alternative. Changes in cost elements are likely to occur as a result of new information and data collected during the engineering design of the remedial alternative. This cost estimate is expected to be within -30% to +50% of the actual cost. Utilization of this cost estimate information beyond the stated purpose is not recommended. Langan is not licensed to provide financial or legal consulting services; as such, this cost estimate information is not intended to be utilized for complying with financial reporting requirements associated with liability services.

3. The density used for conversion from cubic yards to tons was 1.5 tons per cubic yard.

4. Excavation depths were calculated using soil sample results, field observations, and observed fill depths.

5. If contamination could not be delineated vertically based on soil sample results, it was assumed that contamination extended to the terminus of historic fill.

Contractor Cost Assumptions:

Item A-3: The unit rate provided reflects construction labor to be OSHA certified.

Item A-5: Hazardous material disposal assumes union disposal costs for the New York City area. This number is an allowance (hazardous material presence has not been confirmed). This item does not include hazardous waste fees and taxes.

Items A-4 to A-6: A truck wash will be established and maintained near the exit of the site. All trucks that have come into contact with site contaminated material will need to be washed prior to leaving Site. All trucks containing hazardous waste or petroleum-impacted material shall be lined.

Item A-8: Vapor/odor control cost estimate includes equipment, and materials necessary to monitor vapor/odor emission during intrusive site activities. Cost estimate includes application of vapor/odor suppressing foam to open excavations and soil loaded into trucks.

Item A-12: The cellar ventilation system will vent in accordance with mechanical code for a ventilated parking garage. A SMD system (if required) will include a subslab collection layer (6- to 12-inch layer of ¾-inch clean stone) with horizontal perforated collection pipes, riser pipes to convey the collected vapor to the roof, and a roof-mounted blower system that will maintain a constant negative pressure through the piping and collection layer. Two riser pipers and blowers systems are anticipated.

Item A-13: Additional vapor barrier needed on sidewalls of the building perimeter and deep foundation elements was estimated by adding a 40% markup to the building area.

Engineering Cost Assumptions:

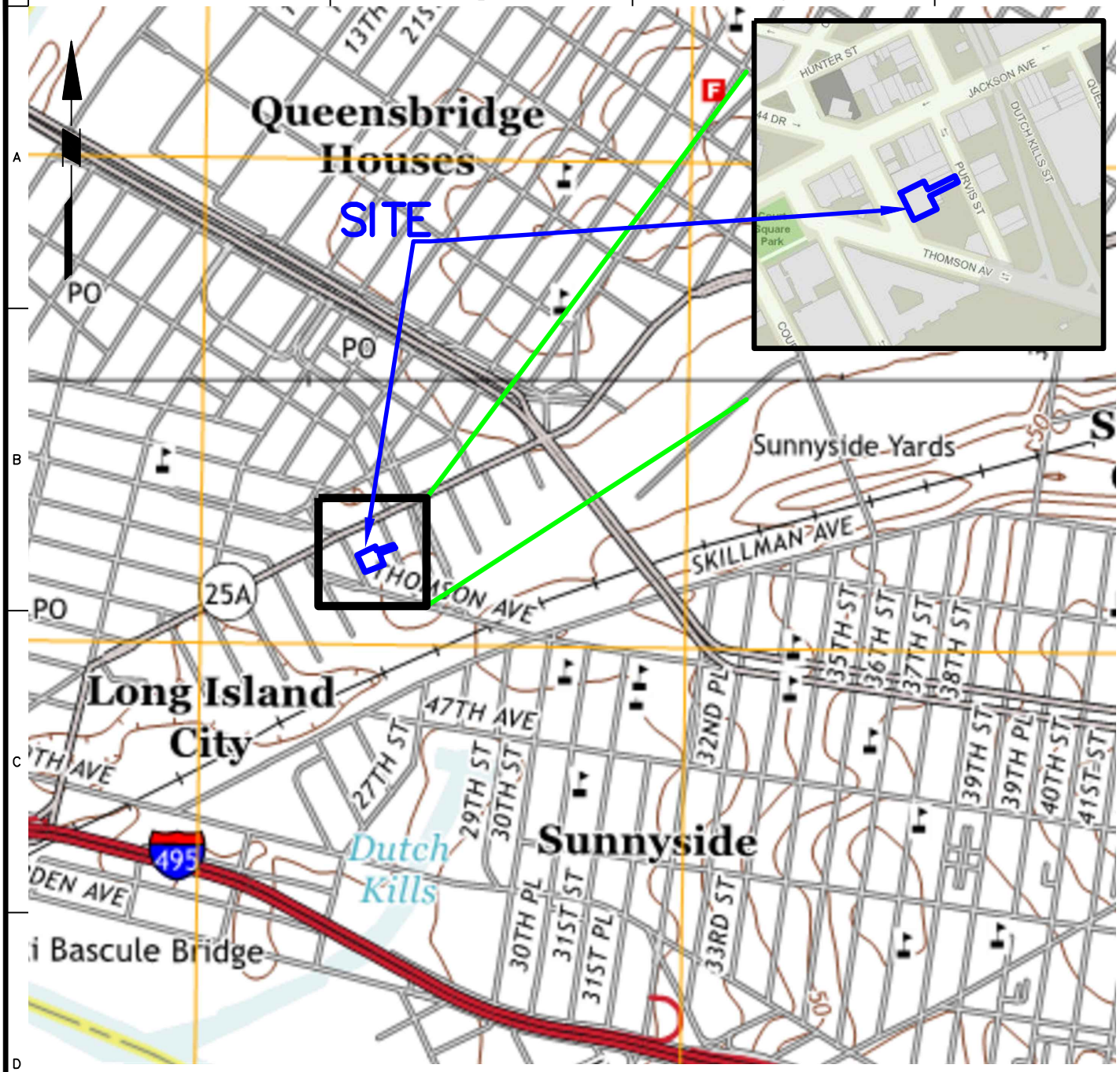
Item B-1: Sampling frequency based on 1,400 cubic yards of material at a conservative rate of 500 cubic yards/sample. A representative suite (not disposal facility specific) of analyses was assumed. Sample collection activities assumed to occur over a three-day, single mobilization. Assumes standard turnaround time for sample analysis.

Item B-2: Engineering oversight includes community air monitoring program (CAMP), onsite engineer throughout remediation, remediation health and safety including purchase and maintenance of appropriate PPE, periodic office reporting to NYSDEC, and 2 site meetings per month.

Item B-3: Community air monitoring program (CAMP) assumed duration of three months. CAMP scope includes fulltime equipment operation of perimeter dust and volatile organic compounds monitors and daily reporting.

Item B-4: Documentation samples scope based on 31 samples analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), PCBs, pesticides, and metals. Cost includes labor and materials to collect samples and subcontracted laboratory analysis by a New York State Department of Health (NYSDOH) environmental laboratory approval program (ELAP)-accredited laboratory. Assumes standard turnaround time for sample analysis.

Figures



LEGEND:

SITE BOUNDARY

NOTES:

1. BASE MAP TAKEN FROM UNITED STATES GEOLOGICAL SURVEY (USGS), BROOKLYN QUADRANGLE 7.5 SERIES, DATED JULY 2007
2. INSET BASE MAP TAKEN FROM http://maps.nyc.gov/doitt/nycitymap/

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Langan CT, Inc.
Langan International LLC

Collectively known as Langan

NJ Electronic Authorization No. 24GA27966100

Project	Purves Street Development BLOCK No. 268, LOT Nos. 4 and 23 QUEENS NEW YORK
Drawing Title	SITE LOCATION MAP
Project No.	170281401
Date	Revised: 08/08/2014
Scale	NTS
Drawn By	SH
Submission Date	-
Drawing No.	1

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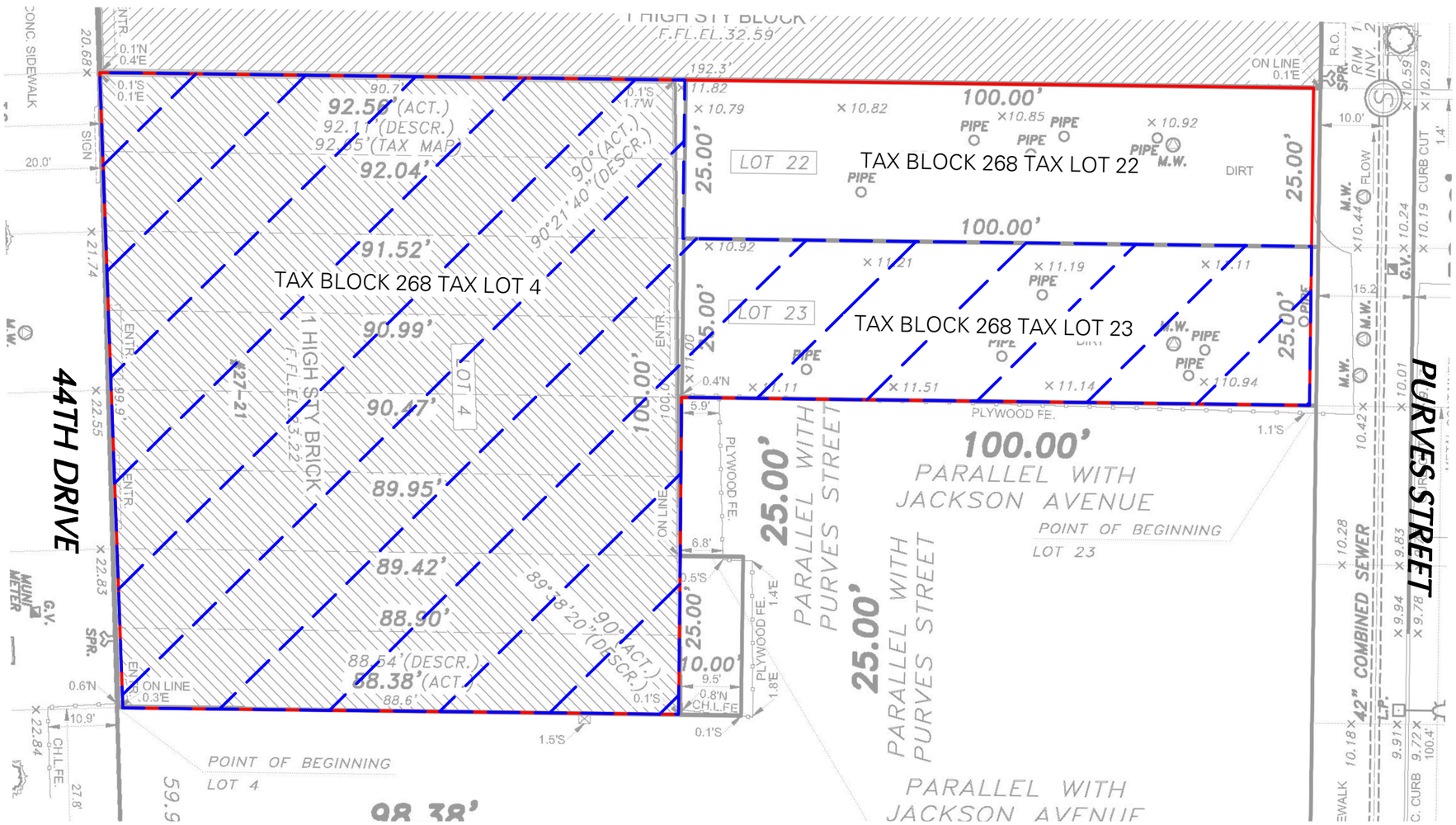
Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\CPP\Figure 1 - Site Location Map.dwg Date: 8/8/2014 Time: 13:20 User: sharrison Style Table: Langan.stb Layout: ANSIA-BP



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- EXISTING BUILDINGS

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHICAL SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

20 0 5 10 20

SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC

Collectively known as Langan

Project	**Purves Street Development**
	BLOCK No. 268, LOT Nos. 4 & 23
	QUEENS **NEW YORK**
Drawing Title	**SITE PLAN**
Project No.	170281401
Date	8/8/2014
Scale	1" = 20'
Drawn By	SH
Submission Date	–
Drawing No.	2

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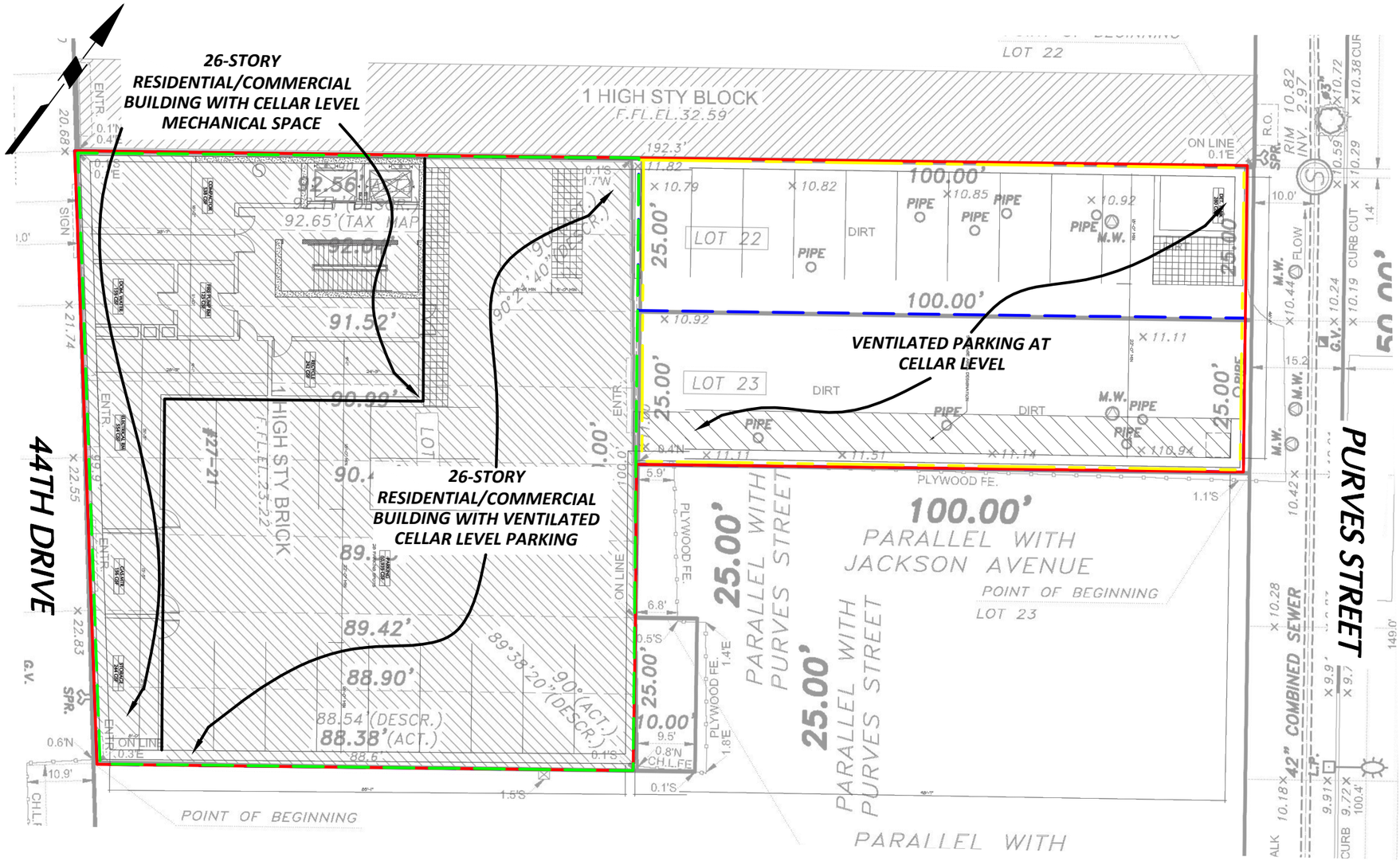
Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 2.Site Plan_Rev.2014.03.24.dwg Date: 8/8/2014 Time: 13:23 User: sharrison Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- RESIDENTIAL/COMMERCIAL BUILDING WITH CELLAR PARKING GARAGE AND MECHANICAL SPACE
- CELLAR PARKING GARAGE

NOTES:

1. BASE MAPS REFERENCED INCLUDE PERFECT POINT LAND SURVEYING RT "TOPOGRAPHICAL SURVEY", DATED APRIL 2, 2014, AND GF 55 PARTNERS CELLAR LEVEL PROGRESS SET DATED AUGUST 25, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

20 0 5 10 20
SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
Purves Street Development
BLOCK No. 268, LOT Nos. 4 & 23
QUEENS NEW YORK

Drawing Title
SITE DEVELOPMENT PLAN

Project No. 170281401	Drawing No. 3
Date REVISED 9/3/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date	

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SAMPLE ID	SB08_1-2	SB08_10-11
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	10 to 11
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Indeno(1,2,3-cd)Pyrene	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	85	NE
Lead, Total	**990**	160
Mercury, Total	0.38	0.2
Zinc, Total	240	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB06_1-2	SB06_5-6
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	5 to 6
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**2.1**
Benzo(a)pyrene	NE	**2.2**
Benzo(b)fluoranthene	NE	**2.6**
Benzo(k)fluoranthene	NE	1.1
Chrysene	NE	2
Indeno(1,2,3-cd)Pyrene	NE	**1.5**
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Chromium, Hexavalent	**3.8**	ND
Chromium, Trivalent	**936**	**260**
Copper, Total	**720**	260
Lead, Total	**780**	340
Manganese, Total	**2300**	NE
Mercury, Total	**1.3**	**2.4**
Nickel, Total	33	NE
Silver, Total	2.9	NE
Zinc, Total	3200	1300
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB04_0.5-2	EB04_9-10
SAMPLING DATE	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	9 to 10
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**4.6**	ND
Benzo(a)pyrene	**3.1**	ND
Benzo(b)fluoranthene	**4**	ND
Benzo(k)fluoranthene	1.3	ND
Chrysene	**4.7**	ND
Dibenzo(a,h)anthracene	**0.51**	ND
Indeno(1,2,3-cd)Pyrene	**2**	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	53	NE
Lead, Total	250	NE
Mercury, Total	0.52	ND
Zinc, Total	450	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB04_0-1	SB04_5-6
SAMPLING DATE	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	0 to 1	5 to 6
VOCs (mg/kg)		
Acetone	0.2	NE
SVOCs (mg/kg)		
Total SVOCs	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Zinc, Total	190	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB03_1-2	SB03_7-8
SAMPLING DATE	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	1 to 2	7 to 8
VOCs (mg/kg)		
VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.1**	ND
Benzo(b)fluoranthene	**1.1**	ND
Chrysene	1.3	ND
Indeno(1,2,3-cd)Pyrene	**0.54**	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	69	NE
Lead, Total	170	NE
Mercury, Total	NE	ND
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB03_0.5 to 2	EB03_8-10
SAMPLING DATE	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	8 to 10
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Aresenic	**32**	16
Barium	**1,100**	NE
Copper, Total	230	76
Lead, Total	**1,800**	120
Mercury, Total	**0.92**	0.62
Nickel, Total	38	NE
Selenium, Total	NE	7
Zinc, Total	630	110
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB06_0-2	EB06_5-6.5	EB06_7.5-9
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0-2	5 to 6.5	7.5 to 9
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	NE	ND	ND
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Lead, Total	85	NE	NE
PCBs (mg/kg)			
Total PCBs	ND	ND	ND

SAMPLE ID	EB01_1-3	EB01_10-12	EB01_15-17
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	1 to 3	10 to 12	15 to 18
VOCs (mg/kg)			
Acetone	NE	NE	0.055
SVOCs (mg/kg)			
Total SVOCs	NE	NE	NE
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Copper, Total	NE	54	140
Lead, Total	NE	260	**1,100**
Mercury, Total	NE	0.79	0.63
Zinc, Total	NE	190	350
PCBs (mg/kg)			
Total PCBs	NE	NE	NE

SAMPLE ID	SB01_10-11
SAMPLING DATE	12/2/2013
SAMPLE DEPTH (ft)	10 to 11
VOCs (mg/kg)	
VOCs	NE
SVOCs (mg/kg)	
SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Metals	NE
PCBs (mg/kg)	
Total PCBs	NE

SAMPLE ID	EB02_0.5-2	EB02_8-10	EB02_13-15
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	8 to 10	13 to 15
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Phenol	0.48	NE	NE
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Aresenic	**25**	NE	NE
Copper, Total	68	56	NE
Lead, Total	**670**	**980**	NE
Mercury, Total	0.44	0.25	ND
Selenium, Total	4.3	NE	NE
Silver, Total	15	NE	ND
Zinc, Total	270	450	NE
PCBs (mg/kg)			
Total PCBs	NE	ND	ND

SAMPLE ID	SB09_1-2	SB09_5-6
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	5 to 6
VOCs (mg/kg)		
Acetone	NE	0.053
SVOCs (mg/kg)		
3-Methylphenol/4-Methylphenol	ND	0.83
Chrysene	NE	1
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Arsenic	NE	15
Copper, Total	79	59
Lead, Total	330	**680**
Mercury, Total	**1.7**	**1.7**
Nickel, Total	38	NE
Zinc, Total	210	660
PCBs (mg/kg)		
Total PCBs	NE	NE

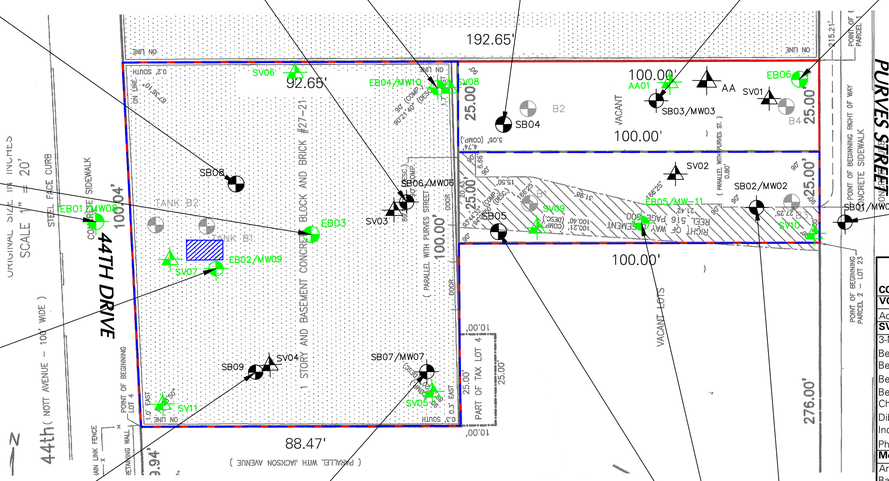
SAMPLE ID	SB07_0-1
SAMPLING DATE	12/3/2013
SAMPLE DEPTH (ft)	0 to 1
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
3-Methylphenol/4-Methylphenol	0.38
Benzo(a)anthracene	**8.2**
Benzo(a)pyrene	**6.6**
Benzo(b)fluoranthene	**7.2**
Benzo(k)fluoranthene	2.4
Chrysene	**9.4**
Dibenzo(a,h)anthracene	**1**
Indeno(1,2,3-cd)Pyrene	**3.4**
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Copper, Total	140
Lead, Total	**1000**
Mercury, Total	**2.4**
Zinc, Total	500
PCBs (mg/kg)	
Total PCBs	ND

SAMPLE ID	SB05_1-2
SAMPLING DATE	12/2/2013
SAMPLE DEPTH (ft)	1 to 2
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	NE
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Chromium, Trivalent	**260**
Copper, Total	53
Lead, Total	260
Mercury, Total	**1.8**
Zinc, Total	210
PCBs (mg/kg)	
Total PCBs	ND

SAMPLE ID	EB05_0-2	EB05_5-6.5	EB05_12-13.5	DUP01_030714
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0-2	5 to 6.5	12 to 13.5	5 to 6.5
VOCs (mg/kg)				
Total VOCs	NE	NE	NE	ND
SVOCs (mg/kg)				
Total SVOCs	ND	ND	ND	ND
Pesticides (mg/kg)				
Total Pesticides	ND	ND	ND	ND
Metals (mg/kg)				
Lead, Total	NE	NE	NE	NE
PCBs (mg/kg)				
Total PCBs	ND	ND	ND	ND

SAMPLE ID	SB02_0-1	SB02_6-7	SB02_11-12	DUP01
SAMPLING DATE	12/2/2013	12/2/2013	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	0 to 1	6 to 7	11 to 12	1 to 12
VOCs (mg/kg)				
VOCs	NE	NE	NE	NE
SVOCs (mg/kg)				
SVOCs	ND	ND	ND	ND
Pesticides (mg/kg)				
Total Pesticides	ND	ND	ND	ND
Metals (mg/kg)				
Chromium, Trivalent	NE	NE	NE	NE
PCBs (mg/kg)				
Aroclor 1260	ND	0.287	ND	ND

COMPOUND	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives
VOCs (mg/kg)		
Acetone	0.05	100
SVOCs (mg/kg)		
3-Methylphenol/4-Methylphenol	0.33	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Phenol	0.33	100
Metals (mg/kg)		
Arsenic, Total	13	16
Barium, Total	350	400
Chromium, Hexavalent	1	110
Chromium, Trivalent	30	180
Copper, Total	50	270
Lead, Total	63	400
Manganese, Total	1600	2000
Mercury, Total	0.18	0.81
Nickel, Total	30	310
Selenium, Total	3.9	180
Silver, Total	2	180
Zinc, Total	109	10000
PCBs (mg/kg)		
Aroclor 1260	0.1	1
Total PCBs	0.1	1



SAMPLE ID	SB03_0-1	SB03_5-6
SAMPLING DATE	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	0 to 1	5 to 6
VOCs (mg/kg)		
Acetone	0.2	NE
SVOCs (mg/kg)		
Total SVOCs	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Zinc, Total	190	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. C241164)
- EXISTING BUILDING
- B4 — MAY 2013 SOIL BORING COMPLETED BY ENVIRONMENTAL BUSINESS CONSULTANTS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN (GROUNDWATER ELEVATION IN FEET)
- SV04 — DECEMBER 2013 SOIL VAPOR POINT COMPLETED BY LANGAN
- AA — DECEMBER 2013 AMBIENT OUTDOOR AIR SAMPLE LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN
- SV05 — MARCH 2014 SOIL VAPOR POINT LOCATION COMPLETED BY LANGAN
- AA01 — MARCH 2014 AMBIENT AIR SAMPLE LOCATION COMPLETED BY LANGAN
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST) ENCOUNTERED DURING THE MARCH 2014 SAMPLING EVENT

NOTES:

1. BASE MAP IS REFERENCED FROM GERALD T. O'BUCKLEY SURVEY, DATED MAY 7, 2013.
2. SOIL BORING, MONITORING WELL AND SOIL VAPOR LOCATIONS ARE APPROXIMATE.
3. VOCs = VOLATILE ORGANIC COMPOUNDS
4. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
5. PCBs = POLYCHLORINATED BIPHENYLS
6. ND = COMPOUND NOT DETECTED
7. NE = COMPOUND DETECTION DOES NOT EXCEED SCO
8. mg/kg = MILLIGRAM PER KILOGRAM
9. COMPOUNDS THAT EXCEED THE NEW YORK STATE DEPARTMENT OF CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCOs) ARE SHOWN AND COMPOUNDS THAT EXCEED RESTRICTED RESIDENTIAL USE SCOs ARE **BOLD**.

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
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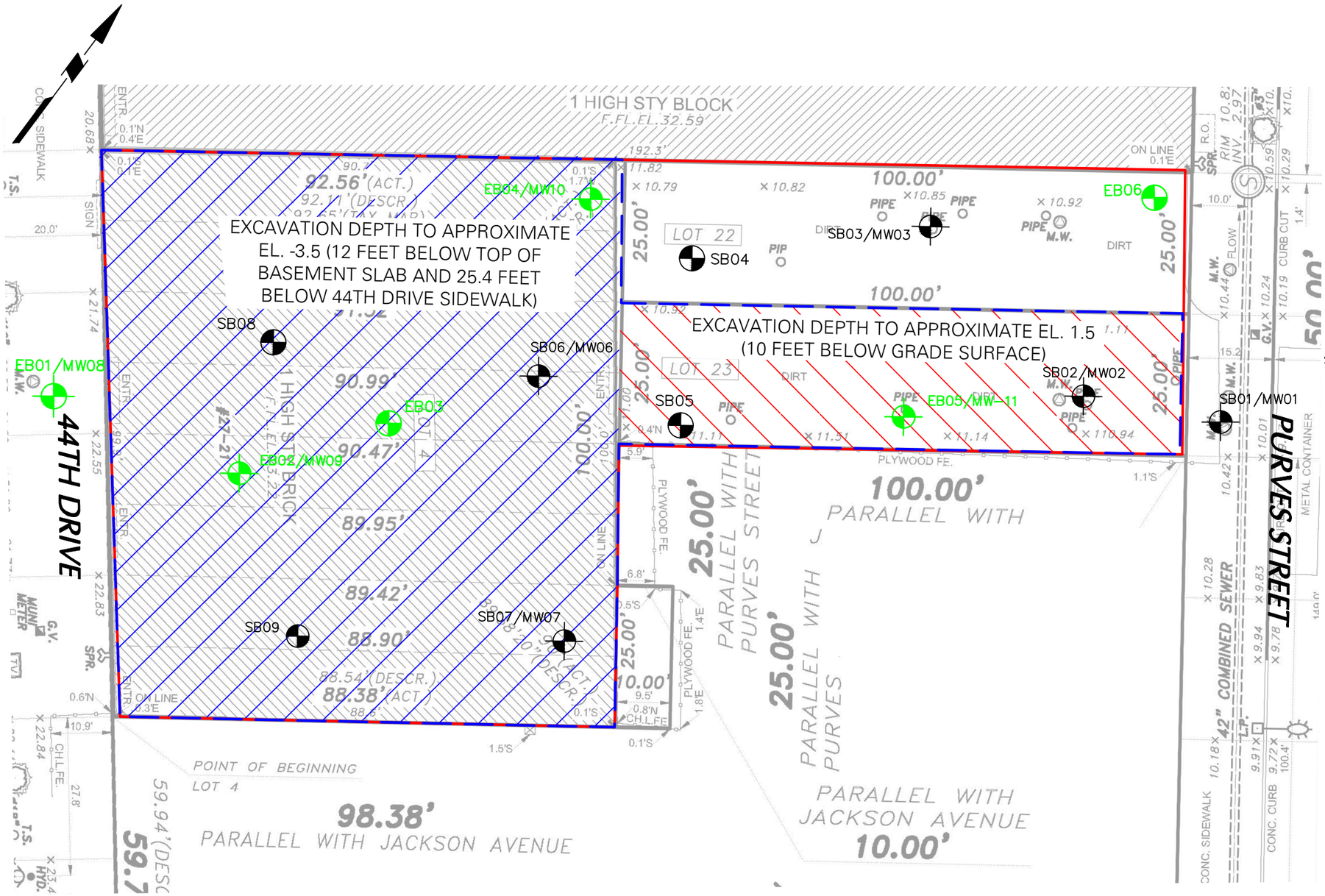
Collectively known as Langan

Project	27-21 44th DRIVE & 44-18 PURVES STREET BLOCK No. 268, LOT Nos. 4, 22, and 23 QUEENS NEW YORK
Drawing Title	SOIL SAMPLE RESULTS
Project No.	170281401
Date	9/25/2014
Scale	1" = 20'
Drawn By	SH
Submission Date	-
Drawing No.	4

Filename: \\langan.com\data\NY\data\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 4.Soil Sample Results-revised 2014-09-25.dwg Date: 9/25/2014 Time: 17:46 User: jgood Style Table: Langan.stb Layout: Fig. 6 Soil Tag Map
© 2014 Langan

LANGAN
SUBMISSION DATE: XXXXX ##, ####
PROJECT No. #########



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- EXCAVATION EXTENT TO APPROXIMATE EL. 1.5 ON LOT 23
- EXCAVATION EXTENT TO APPROXIMATE EL. -3.5 ON LOT 4
- EXISTING BUILDINGS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHIC SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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Langan CT, Inc.
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Collectively known as Langan

Project	**Purves Street Development**
	BLOCK No. 268, LOT Nos. 4 & 23
	QUEENS **NEW YORK**
Drawing Title	**ALTERNATIVE I: TRACK 1 CLEANUP**
Project No.	170281401
Date	REVISED 8/8/2014
Scale	1" = 20'
Drawn By	SH
Submission Date	
Drawing No.	5

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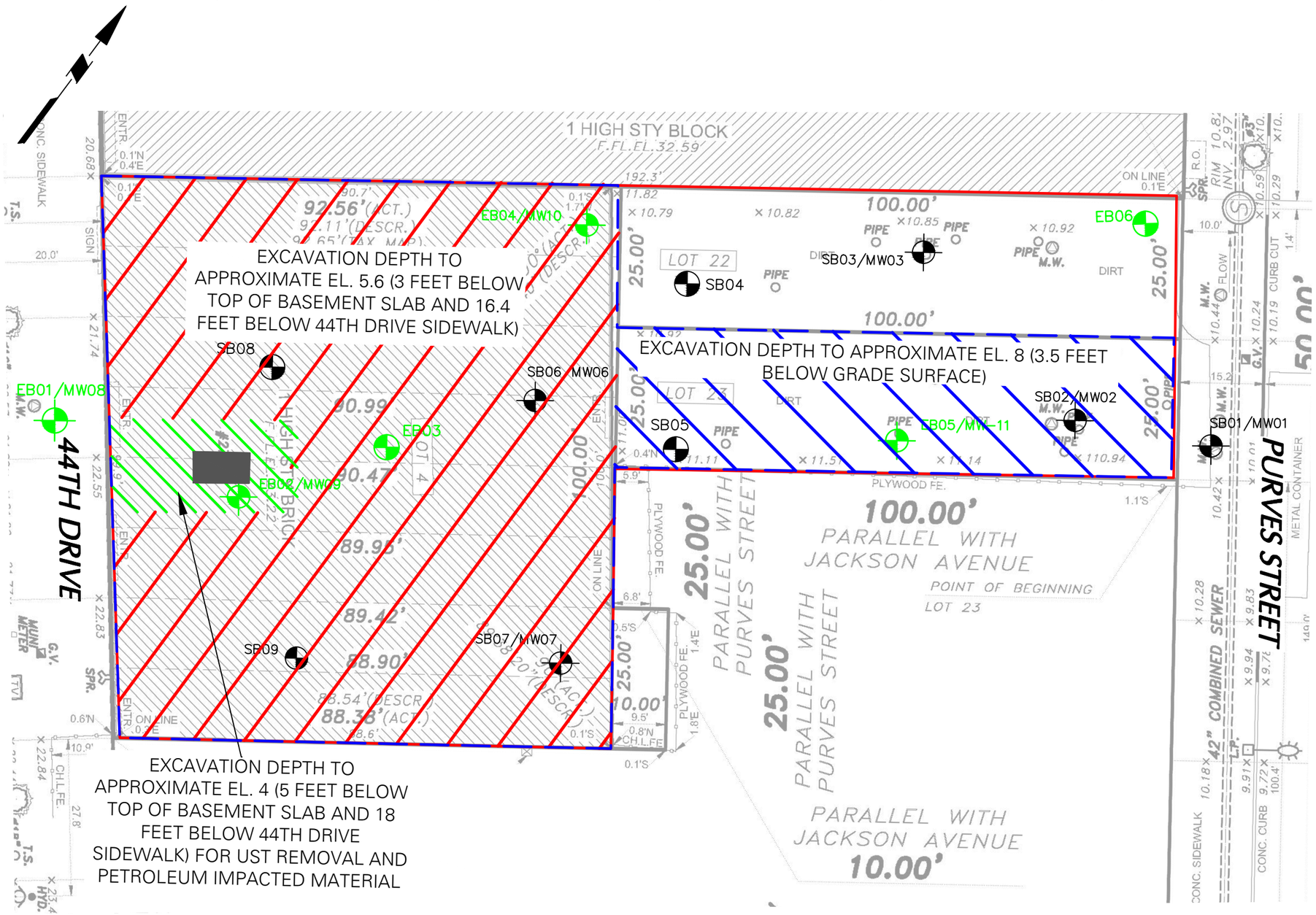
Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 5. Alternative 1 - Track 1 Cleanup_Rev.2014.07.29.dwg Date: 8/8/2014 Time: 13:30 User: sharrison Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- EXCAVATION EXTENT TO APPROXIMATE EL. 5.6 ON LOT 4
- EXCAVATION EXTENT TO APPROXIMATE EL. 8 ON LOT 23
- APPROXIMATE LOCATION OF POTENTIAL UNDERGROUND STORAGE TANK (UST)
- EXCAVATION EXTENT FOR UST AND PETROLEUM IMPACTED MATERIAL REMOVAL TO APPROXIMATE EL. 4
- EXISTING BUILDINGS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHIC SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

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Project: **Purves Street Development**

BLOCK No. 268, LOT Nos. 4 & 23

QUEENS **NEW YORK**

Drawing Title: **ALTERNATIVE II: TRACK 4 CLEANUP**

Project No. 170281401	Drawing No. 6
Date REVISED 8/8/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date	

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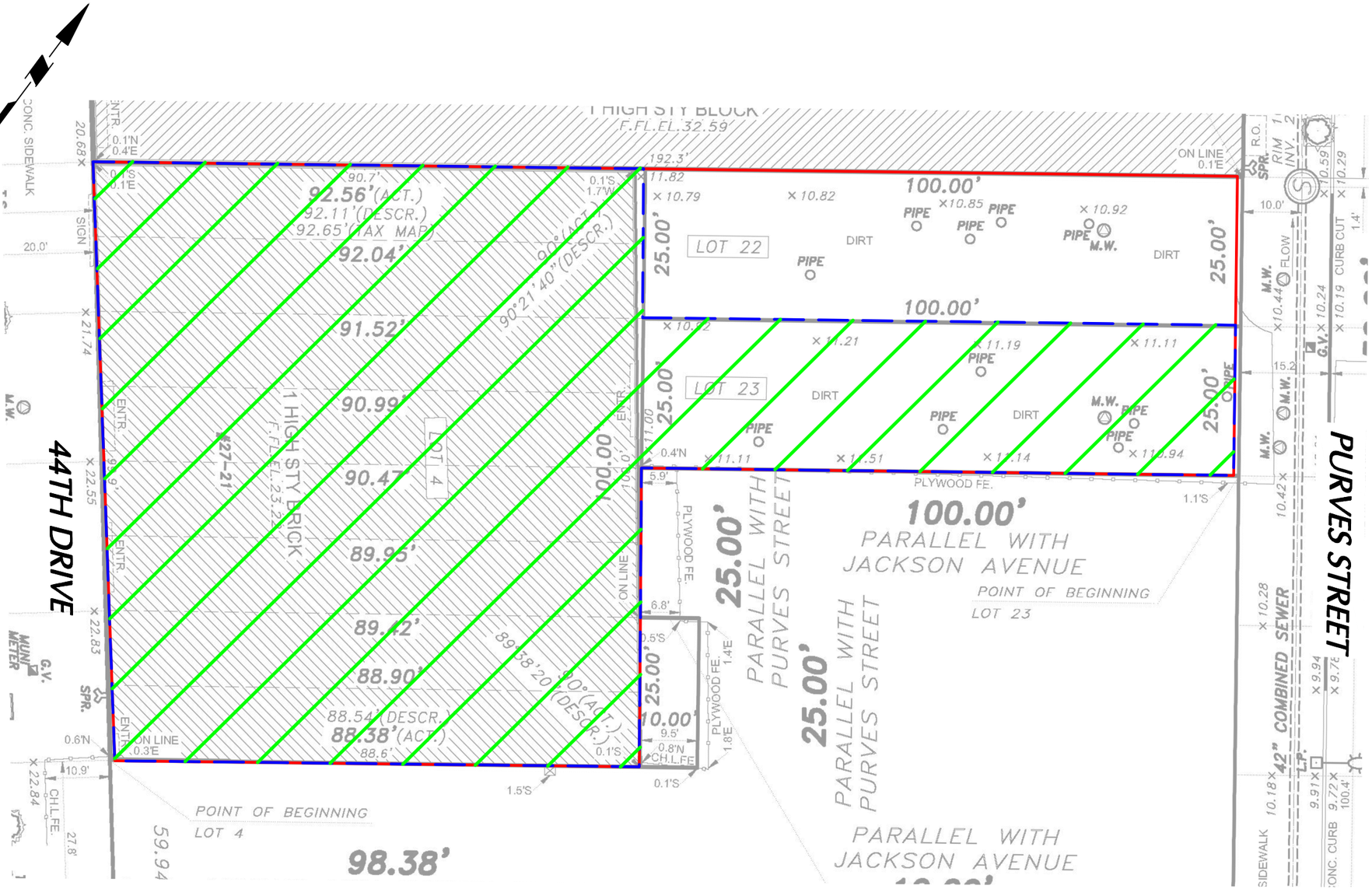
Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 6.Alternative II - Track 4 Cleanup.dwg Date: 8/8/2014 Time: 13:31 User: sharrison Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- APPROXIMATE VAPOR BARRIER EXTENT

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHIC SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. VAPOR BARRIER/WATERPROOFING MEMBRANE TO BE INSTALLED BETWEEN THE NEW CONCRETE SLAB AND UNDERLYING SUB-GRADE LAYER. IN BASEMENT INSTALLATION,THE VAPOR BARRIER/WATERPROOFING MEMBRANE WILL EXTEND ALONG THE FOUR WALLS OF THE BASEMENT STRUCTURE FROM THE BASE OF THE EXCAVATION TO SURFACE GRADE LEVEL.
4. VAPOR BARRIER SYSTEM SHALL HAVE A MINIMUM THICKNESS OF 20 MILS.

20 0 5 10 20

SCALE IN FEET

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Purves Street Development
BLOCK No. 268, LOT Nos. 4 & 23
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Drawing Title
VAPOR BARRIER LOCATION PLAN

Project No. 170281401	Drawing No. 7
Date REVISED 8/8/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date	

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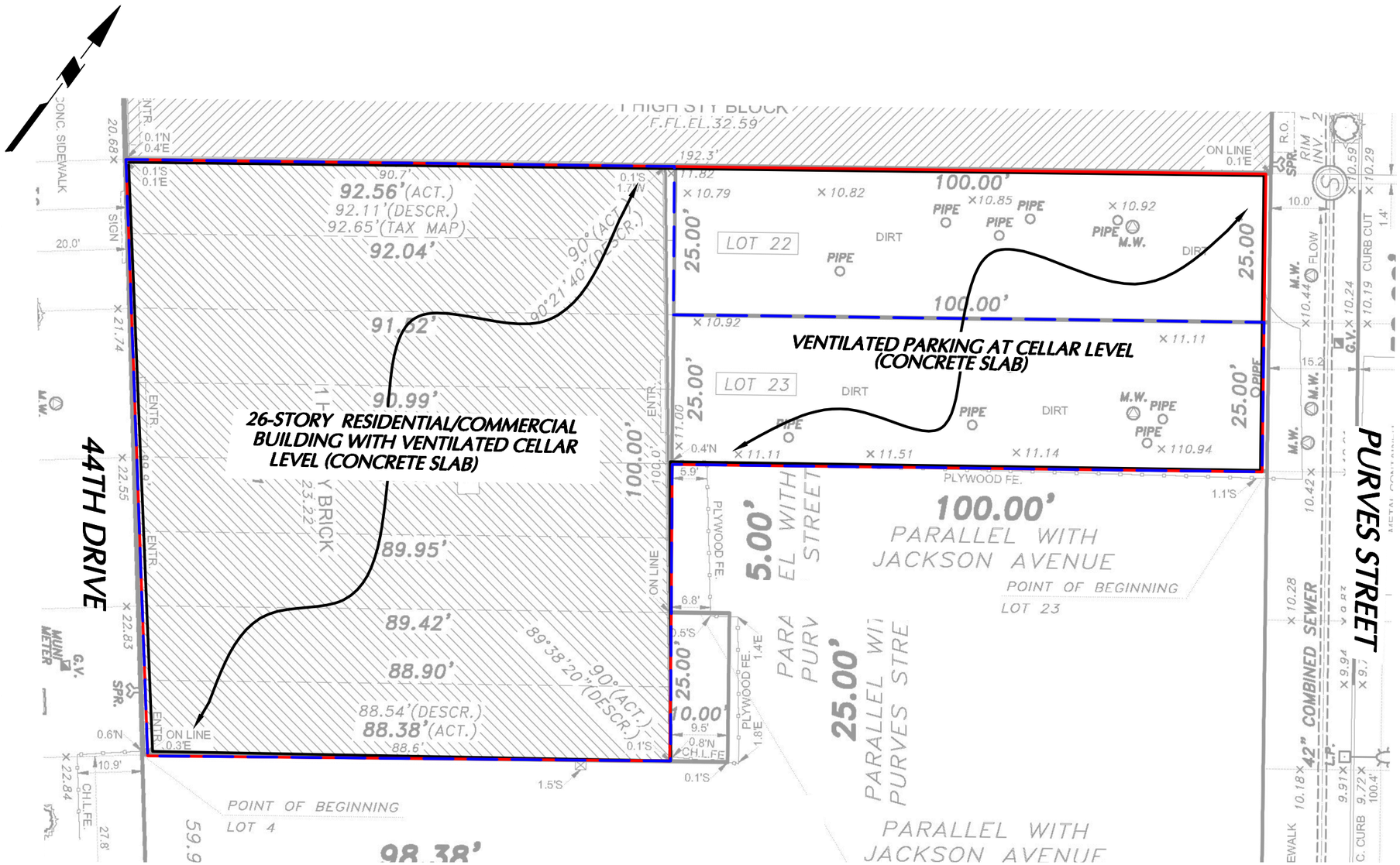
Filename: \\Langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 7.Vapor Barrier Location Plan.dwg Date: 9/16/2014 Time: 14:55 User: atashji Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

APPROXIMATE DEVELOPMENT FOOTPRINT

APPROXIMATE BROWNFIELD CLEANUP PROGRAM (SITE) FOOTPRINT

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHIC SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

20 0 5 10 20

SCALE IN FEET

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Project

Purves Street Development

BLOCK No. 268, LOT Nos. 4 & 23

QUEENS **NEW YORK**

Drawing Title

SITE COVER SYSTEM

Project No. 170281401	Drawing No. 8
Date REVISED 8/8/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date	

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 8.Composite Cover System.dwg Date: 12/9/2014 Time: 12:26 User: jgood Style Table: Langan.stb Layout: ANSIB-BL

LEGEND:

- APPROXIMATE SITE BOUNDARY
- THROUGH TRUCK ROUTE
- TRUCK ROUTE

NOTES:

1. TRUCK ROUTE MAP ADAPTED FROM THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION (NYCDOT) 2011-2012 NEW YORK CITY TRUCK ROUTE MAP ON JULY 9, 2014.
2. SITE ACCESS GATE LOCATION MAY CHANGE BASED ON CONSTRUCTION LOGISTICS.

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BLOCK No. 268, LOT Nos. 4 & 23
QUEENS **NEW YORK**

Drawing Title
TRUCK ROUTE MAP

Project No.	Drawing No.
170281401	9
Date: REVISED 8/4/2014	
Scale: N.T.S	
Drawn By: SH	
Submission Date	

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 9.Truck Route Map.dwg Date: 8/4/2014 Time: 11:47 User: sharrison Style Table: Langan.stb Layout: ANSIB-BL

Appendix A Site Survey

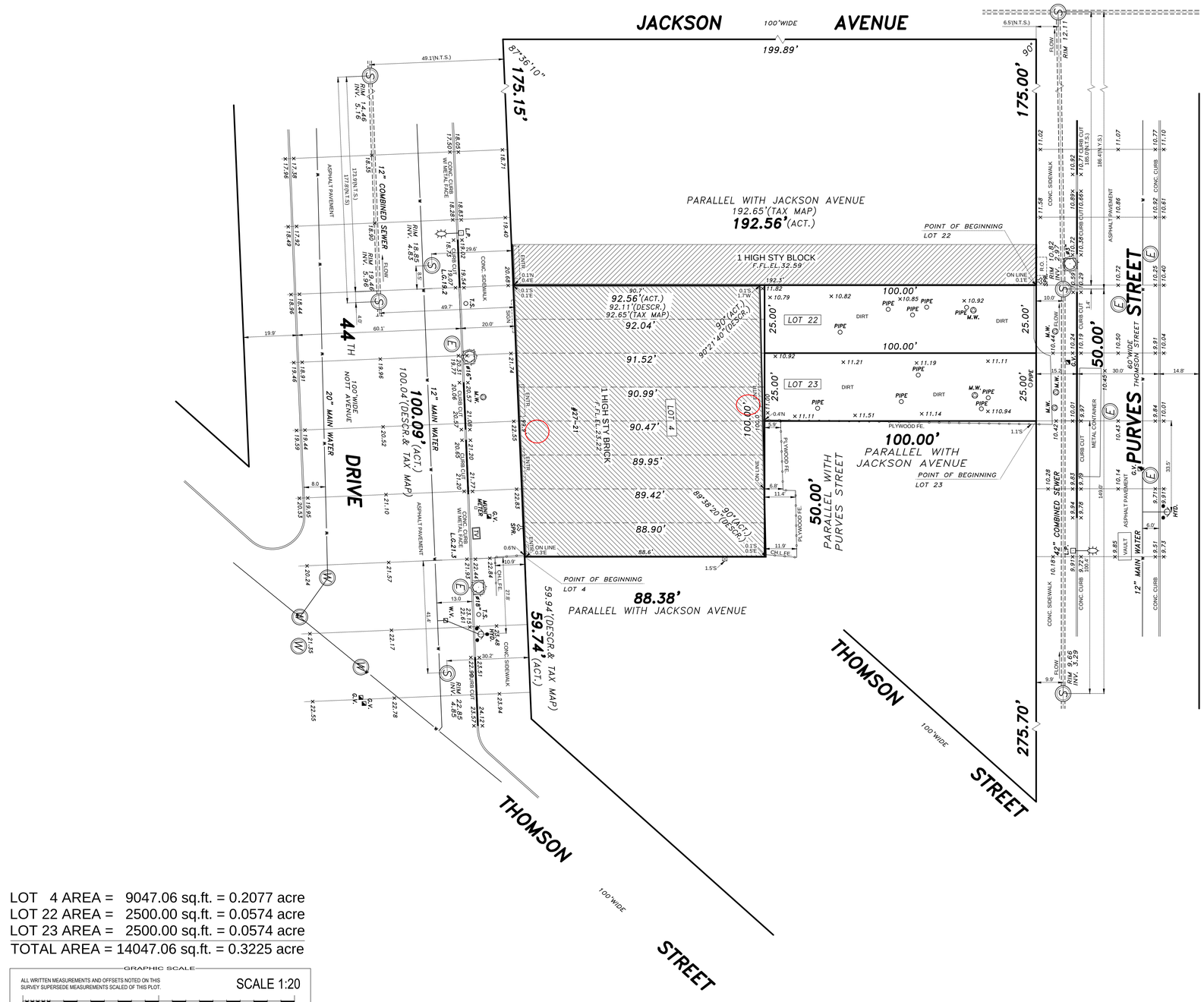
JOB NO. Q 268-4-22-TO

SURVEYED ON: APRIL 2, 2014

JULY 3, 2014 - BOUNDARY LINE REVISION - NO FIELD INSPECTION

FLOOD NOTE

BY GRAPHIC PLOTTING ONLY, SUBJECT PROPERTY IS LOCATED IN **ZONE X (AREA OF NO FLOODING)** AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR COMMUNITY PANEL NUMBER **360 497 0202 F** WHICH BEARS AN EFFECTIVE DATE OF SEPTEMBER 5, 2007 AND REVISED DECEMBER 5, 2013.



LOT 4 AREA = 9047.06 sq.ft. = 0.2077 acre
LOT 22 AREA = 2500.00 sq.ft. = 0.0574 acre
LOT 23 AREA = 2500.00 sq.ft. = 0.0574 acre
TOTAL AREA = 14047.06 sq.ft. = 0.3225 acre

GRAPHIC SCALE

ALL WRITTEN MEASUREMENTS AND OFFSETS NOTED ON THIS SURVEY SUPERSEDE MEASUREMENTS SCALED OF THIS PLOT.

SCALE 1:20

0 5 10 15 20 25 30 35 40 45 50 100

SYMBOLS AND ABBREVIATIONS

FENCE	CH.-LI.FE. / WOOD FE.
UTILITY POLE	U.P.
PARKING METER	P.M.
OIL FILL	O.F.
MONITORING WELL	M.W.
TRAFFIC LIGHT	T.L.
LIGHT	
STREET LIGHT	L.P.
FIRE HYDRANT	HYD.
SIAMESE CONNECTION	SPR.
SHUT OFF VALVE	G.V. / G.V. / W.V. / W.V.
HANDICAPPED PARKING	
EXISTING TREE	ø12"
DRAINS	DR. / DR.
ROOF OVER	R.O.
EXISTING ELEVATIONS	×43.15 TOP OF CURB ×42.93 BOTTOM OF CURB / ×43.78
CITY ESTABLISHED GRADES	L.G.7.52
CURB AND CURB CUT	CURB CUT
OVERHEAD SERVICE	OH S.W.
CABLE TV MANHOLE	CTV
MANHOLES	MH, E, T, W, S RIM EL. INV.EL.
CATCH BASIN	C.B. / C.B.
FIRE ESCAPE	F.E.
PLATFORM	PL. or PLTF.
BASEMENT ENTRANCE	B.E.
CELLAR ENTRANCE	C.E.
AIR WAY	A.W.
BAY WINDOW	B.W.
CONCRETE	CONC.
OVERHANG	O.H.
AIR CONDITION	AC
METAL	MET.
NORTH OF PROPERTY LINE	N
SOUTH OF PROPERTY LINE	S
EAST OF PROPERTY LINE	E
WEST OF PROPERTY LINE	W

GENERAL NOTES

SUBSURFACE UTILITIES ARE NOT GUARANTEED BY SURVEYOR. HIGH CAUTION RECOMMENDED AND VERIFICATION WITH PROPER CITY AGENCIES, IS MANDATORY BEFORE COMMENCING ALL NEW WORK.

ALL SUBSURFACE AND OVERHEAD UTILITIES (AS TO SIZE , TYPE AND DEPTH) SHOWN ON THIS SURVEY ARE TAKEN FROM RECORDS OF GOVERNMENTAL AGENCIES AND UTILITY COMPANIES, UNLESS OTHERWISE NOTED AND SHOWN.

COVER OR DEPTH OF UTILITIES WHICH DERIVED FROM FIELD MEASUREMENTS SHOWN ON THIS SURVEY SHOULD BE VERIFIED WITH PROPER AGENCY PRIOR TO CONSTRUCTION OF PROJECT. INVERT ELEVATIONS ARE DERIVED FROM CITY AGENCY RECORDS WHEN NOT AVAILABLE BY FIELD SURVEY AND NOTED AS "PER RECORD" ON THE SURVEY.

ALL SUBSURFACE UTILITY AS TO LOCATION AND DEPTH, SHOULD BE RECHECKED AND LEGAL GRADES SHOULD BE VERIFIED WITH THE TOPOGRAPHICAL BUREAU, PREFERABLY IN WRITING BEFORE COMMENCING CONSTRUCTION.

THIS IS TO CERTIFY THAT THERE ARE NO STREAMS OR NATURAL WATER COURSES ON THE SURVEYED PROPERTY EXCEPT AS SHOWN AND/OR DESCRIBED ON THIS SURVEY.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO.35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

ALL ELEVATIONS SHOWN REFER TO THE **NAVD 1988** DATUM. TO OBTAIN:
- NGVD 1929 DATUM - ADD 1.098 FEET
- QUEENS BOROUGH DATUM - SUBTRACT 1.625 FEET

EASEMENTS IF ANY ARE NOT SHOWN ON THIS SURVEY. NO INFORMATION PROVIDED TO SURVEYOR AT THIS TIME.

UNDERGROUND UTILITIES NOTES

UNDERGROUND, OVERHEAD AND GROUND LEVEL UTILITIES ARE NOT GUARANTEED AS TO ACCURACY, EXACT LOCATION, TYPE OR USE, ACTIVE OR INACTIVE. VERIFICATION IS MANDATORY WITH MUNICIPAL AGENCIES, PUBLIC AND PRIVATE UTILITY COMPANIES PRIOR TO TAKING TITLE AND OR DESIGN WORK. BOUNDARIES ARE NOT GUARANTEED UNLESS SO NOTED.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO. 35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

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GUARANTEED TO: Purves Development LLC

COUNTY: QUEENS CITY: LONG ISLAND CITY

SECTION: BLOCK: 268 LOT(S): 4, 22, 23,

PROPERTY ADDRESS: 44-18 PURVES STREET, 27-21 44th DRIVE,

TOPOGRAPHICAL SURVEY

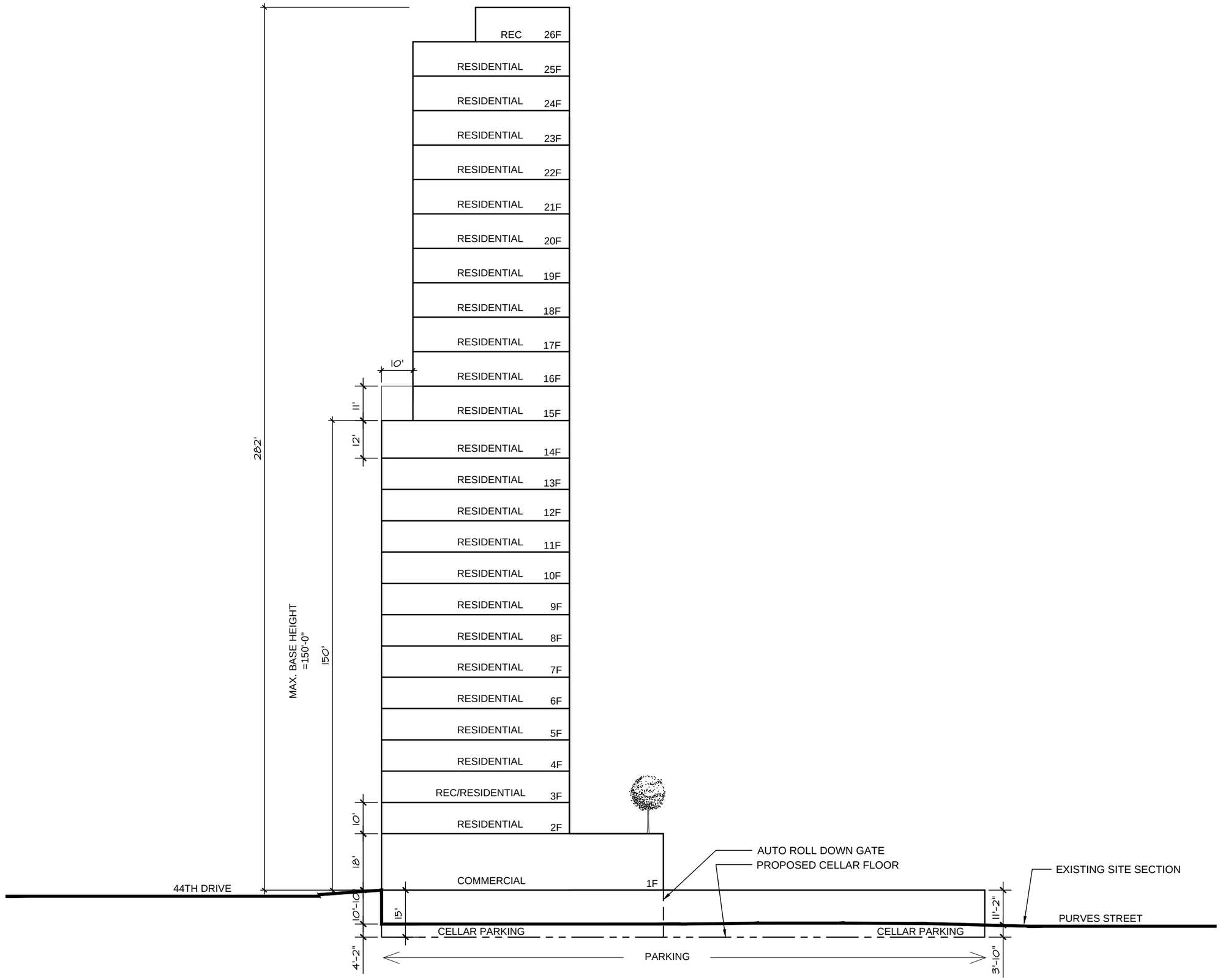
PREPARED BY

PERFECT POINT
LAND SURVEYING RT
brooklyn - queens - manhattan - bronx
staten island - nassau
phone: (718) 474-7700
fax: (718) 872-9699
info@ppsurveying.com
www.ppsurveying.com

STATE OF NEW YORK RICHARD TOM LICENSED LAND SURVEYOR 049844

N.Y.S. L.L.S. 049844

Appendix B Proposed Development Plans


REC 26F
RESIDENTIAL 25F
RESIDENTIAL 24F
RESIDENTIAL 23F
RESIDENTIAL 22F
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RESIDENTIAL 19F
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RESIDENTIAL 16F
RESIDENTIAL 15F
RESIDENTIAL 14F
RESIDENTIAL 13F
RESIDENTIAL 12F
RESIDENTIAL 11F
RESIDENTIAL 10F
RESIDENTIAL 9F
RESIDENTIAL 8F
RESIDENTIAL 7F
RESIDENTIAL 6F
RESIDENTIAL 5F
RESIDENTIAL 4F
REC/RESIDENTIAL 3F
RESIDENTIAL 2F
COMMERCIAL 1F
10'
11'
12'
282'
MAX. BASE HEIGHT =150'-0"
150'
10'
18'
10'-10"
15'
4'-2"
3'-10"
11'-2"
44TH DRIVE
AUTO ROLL DOWN GATE
PROPOSED CELLAR FLOOR
EXISTING SITE SECTION
PURVES STREET
CELLAR PARKING
CELLAR PARKING
PARKING

Appendix C Previous Environmental Reports

27 - 21 44th Drive, Long Island City, Queens

Supplemental Due Diligence Materials

Brookfield Financial

Table of Contents

UST Clean-up Estimate

Phase II Subsurface Investigation Report

Disclaimer: *This information is considered Confidential Information as defined by the confidentiality agreement. Ownership and Broker are providing this data for informational purposes only and do not make any representations on the accuracy or completeness of these reports. You should not rely on these reports and you should consult with your own professionals on matters such as zoning, environmental, brownfields, phase I and phase II.*

UST Clean-up Estimate

Cost Estimate - Tank Removal and Remediation Conducted by Environmental Contractor Prior to Construction of New Building

	Rate	Units	Quantity	Cost
Permits	$2,500	Lump Sum	1	$2,500
Tank Removal (550 gal gas tank)*	$5,000	Lump Sum	1	$5,000
Waste Characterization Soil Sample	$1,200	per sample	1	$1,200
End Point Soil Samples	$250	per sample	5	$1,250
Contaminated Soil Excavation and Loading	$3,000	per day	1	$3,000
Soil Transportation and Disposal**	$45	per ton	140	$6,300
Pump Truck	$850	per day	1	$850
Gasoline Disposal	$1.50	per gal	550	$825
Contaminated Water Disposal	$0.72	per gal	4,000	$2,880
Ground Water Sample	$250	per sample	1	$250
Chemical Oxidants	$2.75	per lb	500	$1,375
Consultant Oversite	$800	per day	3	$2,400
Reporting (Tank Removal Report)	$1,200	per report	1	$1,200
Reporting (Tank Reg/Dereg with PBS)	$1,000	1 time filing	1	$500

TOTAL* **$29,530**

* Assumes the gas tank is not encased in concrete, if in concrete add $ 3,000
** Assumes area of 20ft by 20ft and 7ft deep = 103yd3 or ~140 tons
*** Assumes no backfill required for excavation

Phase II Subsurface Investigation Report

PHASE II

SUBSURFACE INVESTIGATION REPORT

OCTOBER 2013

EBC Project No: VHL1102

27-21 44th Drive, 44-18 Purves Street
Long Island City, NY 11101

Block 268, Lots 4, 22, & 23

Prepared for:

44 LIC, LLC
184 N. 8th Street
Brooklyn, NY 11211

ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road. Ridge, NY 11961 Ph: 631.504.6000 Fax: 631.924.2870

TABLE OF CONTENTS
27-21 44th Drive, 44-18 Purves Street
Long Island City, Queens, NY 11101

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1.2.1 Phase I Environmental Site Assessment, October 2011 1

2.0 SUBSURFACE INVESTIGATION 3
2.1 Soil Sampling 3
2.1.1 Soil Results 3
2.2 Groundwater Sampling 4
2.2.1 Groundwater Sample Results 4

3.0 CONCLUSIONS 5

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4.0 REFERENCES 6

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Table 2 Soil Analytical Results, Semi-Volatile Organic Compounds
Table 3 Groundwater Analytical Results, Volatile Organic Compounds
Table 4 Groundwater Analytical Results, Semi-Volatile Organic Compounds

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan

APPENDICES

Appendix A Soil Boring Logs
Appendix B Laboratory Reports

1.0 INTRODUCTION

Environmental Business Consultants (EBC) has prepared the following Phase II Subsurface Investigation Report for properties located at 27-21 44th Drive and 44-18 Purves Street (Block 268, Lots 4, 22, 23), in Long Island City, Queens, New York 11101 ("the Site"). The subsurface investigation was conducted to investigate recognized environmental conditions identified in a Phase I Environmental Site Assessment report prepared for Lot 4 by EBC in October 2011 as well as the general environmental condition of Lots 22 and 23. The work was conducted on behalf of 44 LIC LLC to identify and characterize potential contaminants within the surface/subsurface soils and groundwater at the Site to support future redevelopment.

1.1 Site Location and Description

The Site is located in the City of New York and Borough of Brooklyn (Kings County) and is identified as Block 268, Lots 4, 22 and 23. The Site includes three adjoining lots located between Purves Street and 44th Drive with frontage on both streets. Lot 4 is a square shaped lot consisting of 100.4 feet of street frontage on 44th Drive, and a maximum of 98.46 feet deep. Lot 4 is developed with a 1-story warehouse and full walkout cellar that opens to the adjoining lots along Purves Street which is at a lower elevation. The building can be accessed from 44th Drive or from the cellar level through Lots 22 and 23.

Lots 22 and 23 are adjacent rectangular lots each with 25 feet of frontage along Purves Street and are 100 feet deep. Both lots are currently vacant with vegetative cover. The total area of the three lots combined is 14,600 ft^2 (0.335 acres). The property is owned by 44 LIC, LLC.

The area surrounding the subject property consists of a mix of residential and commercial properties. The elevation of the Site is approximately 17 feet above the National Geodetic Vertical Datum (NGVD). The depth to groundwater beneath the Site was encountered at approximately 9 feet below basement level on Lot 4 and below surface grade of Lots 22 and 23. Based on regional groundwater contour maps, groundwater is expected to flow to the west toward the East River.

1.2 Site Background

1.2.1 Phase I Environmental Site Assessment, October 2011

A Phase I Environmental Site Assessment (ESA) was completed by Environmental Business Consultants, in October of 2011 for a portion of the Site (Block 268, Lot 4).

The Phase I report indicated that historical information (DOB records, Sanborn Maps, City Directory listings, and internet search) reviewed for the subject site identified the subject site as being developed in the early 1920's with the one-story building (with full basement) that currently stands at the site. In 1936, the building was used as a first floor parking garage, and the basement was used for storage of furniture. The 1936 Sanborn map shows a gasoline tank in the front of the building. In 1947, the basement was used as a paper warehouse, and the first floor parking garage space was used as a photo chemical warehouse. The gasoline tank is not drawn on the 1947 Sanborn map. The 1970 Sanborn map simply labels the building as commercial or manufacturing in 1960, but city directory listings

provided for 1962 indicate the building was used as an automotive/truck rental facility. All of the Sanborn maps from 1977 to 2006 label the building as an auto body shop, which correlates with the city directory listings and internet findings, which note Tul Mor Auto Service, Inc. in 1970, Alvic Foreign Auto Repair in 1983, NE Auto Repair, Inc. in 2000 and Northeastern Auto Repair, Inc. in the mid 2000's.

EBC concluded that based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following recognized environmental conditions were noted for the site:

- Evidence indicating the presence of a gasoline underground storage tank underneath the concrete slab of the basement floor. The 1936 Sanborn map notes a gasoline tank near the front of the building. A vent pipe indicative of a gasoline tank is visible on the roof of the building near the southern garage door, and the remnants of a concrete dispenser island are visible immediately behind the garage door. The vent pipe was traced to the basement to a patch in the concrete floor.

Based on the age of the gasoline tank (85 years), EBC recommended the following actions:

- A Phase II Subsurface Investigation to include the collection and laboratory analysis of both soil and groundwater samples.
- Remove the gasoline tank and collect endpoint soil samples in accordance with NYS DER 10 / Technical Guidance for Site Investigation and Remediation
- Properly register and deregister the underground storage tank with the NYSDEC by completing and submitting a NYSDEC Petroleum Bulk Storage Application.
- Submit a Tank Removal Affidavit with the New York City Fire Department.
- Submit a Tank Closure Report to the NYSDEC.

Although the Phase I Report did not include recommendations for lots 22 and 23, the environmental history of both lots were evaluated in the Phase I. Lots 22 and 23 were originally developed prior to 1885 as 2 and 3-story residential buildings. From 1936 through 1950 both lots were part of an operation identified as "Controller Manufacturing". From 1970 through 2006 Lot 22 is shown as "welding and Repairs with directory listings that include Rozilda labs, Leather Goods, plating equipment, manufacturing and Artisan Designs. Lot 23 is shown as vacant from 1970 on with a single listing for Russell Cress Co. in 2005. The building on Lot 22 was demolished in 2008 and both lots are vacant.

2.0 SUBSURFACE INVESTIGATION

The field work portion of the Phase II was performed on May 10 and 17, 2013 and consisted of the collection and analysis of soil and groundwater samples. Drilling services were provided by Eastern Environmental Solutions of Manorville, NY. Analytical services were provided by Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301)

2.1 Soil Sampling

Four soil borings were performed in Lots 22 and 23 to a depth of 20 feet below grade on May 10, 2013. Due to restricted access an additional two borings were performed around the suspect tank in Lot 4 of the Site to a depth of 10 feet below the basement slab on May 17, 2013. The approximate locations of the tank and the soil borings are shown on **Figure 2**.

Soil samples from each soil boring location were collected using a five foot steel dual tube sampler with acetate liners and Geoprobe direct-push equipment. For each of the soil borings, soil samples were collected continuously from grade to the termination depth of the soil boring. Soil cores were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination by a qualified environmental professional. Boring logs are provided in **Appendix A**.

During the May 10, 2013 site visit four soil borings were advanced to 20 feet below grade in Lots 22 and 23 (44-18 Purves Street). A sample was retained from the groundwater interface (7-10') of soil boring B1 and B2. A deeper sample was retained (12-15') from soil sample locations B3 and B4. Soil boring B2 exhibited a slight odor and low PID (10-20 ppm) readings around the groundwater interface. Due to limited access to the building basement on Lot 4 no borings were performed on May 10, 2013

An additional two soil borings were performed on May 17, 2013 around the suspect underground storage tank on Lot 4 of the Site. A soil sample was retained from the interval that exhibited the highest degree of contamination (B1(5-8'), B2(4-7')). Both borings showed physical evidence of petroleum contamination with PID readings from 0-400 ppm.

2.1.1 Soil Results

All of the soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and delivered by laboratory dispatched courier to Phoenix Laboratories. Soil sample results were compared to the NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Analytical data for the soil samples are summarized in **Tables 1** through **2**, and a copy of the laboratory analytical reports are included in **Appendix B**.

VOCs

Only One VOC (n-Propylbenzene) was detected within the soil samples above its corresponding NYSDEC Part 375.6 Unrestricted Soil Cleanup Objectives (USCOs). The compound was detected within soil boring Tank B2. Soil sample B3(12-15') showed detections of cis-1,2-Dichloroethene, Tetrachloroethene, and Trichloroethene, but the levels were below UUSCOs.

SVOCs
No SVOCs were reported above their corresponding UUSCOs in any of the soil samples retained.

2.2 Groundwater Sampling

Following the installation of soil boring B1, B3, B4, Tank B1, and Tank B2, EBC installed a 1-inch diameter temporary PVC monitoring well. A groundwater sample was collected from the temporary monitoring well utilizing disposable polyethylene tubing, and a low-flow peristaltic pump.

The groundwater sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice. Groundwater samples GW1, GW3, and GW4 were submitted for analysis of VOCs by EPA Method 8260. Groundwater samples Tank GW1 and Tank GW2 were submitted for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 (CP51 List), to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301).

2.2.1 Groundwater Sample Results

Groundwater sample results were compared to the water quality standards specified in NYSDEC Groundwater Quality Standards (GQSs). Analytical data for the groundwater samples are summarized in **Tables 3 and 4** and a copy of the laboratory analytical report is provided in **Appendix B.**

VOCs
Several chlorinated VOCs were detected within the groundwater samples collected from locations GW1, GW3, and GW4. In addition, several petroleum VOCs were detected within the groundwater samples collected from locations Tank GW1 and Tank GW2. The findings are summarized below:

GW1	Tetrachloroethene (19 µg/L)
GW3	1,1,1-Trichloroethane (18 µg/L), cis-1,2-Dichloroethene (190 µg/L), Tetrachloroethene (950 µg/L), trans-1,2-Dichloroethene (6.6 µg/L), Trichloroethene (150 µg/L), and Vinyl Chloride (5.6 µg/L).
GW4	1,1,1-Trichloroethane (15 µg/L), cis-1,2-Dichloroethene (130 µg/L), Tetrachloroethene (610 µg/L), trans-1,2-Dichloroethene (14 µg/L), Trichloroethene (90 µg/L), and Vinyl Chloride (5.1 µg/L).
Tank GW1	n-Propylbenzene (21 µg/L).
Tank GW2	Isopropylbenzene (47 µg/L), Naphthalene (66 µg/L), n-Propylbenzene (110 µg/L).

SVOCs
Several SVOCs were detected within the groundwater samples Tank GW1 and Tank GW2. The findings are summarized below:

Tank GW1	Benzo(a)anthracene (11 µg/L), Benzo(b)fluoranthene (13 µg/L), Benzo(k)fluoranthene (5.1 µg/L), Chrsyene (11 µg/L), Indeno(1,2,3-cd)pyrene (5.8 µg/L).
*Tank GW2	Fluoranthene (73 µg/L), Naphthalene (57 µg/L), Phenanthrene (51 µg/L), Pyrene (69 µg/L).

*Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated Report Limit (RL) was reported for the semivolatile analysis.

3.0 CONCLUSIONS

Subsurface soils at the site are primarily made up of urban fill material to a maximum depth of 4 feet, followed by a silty sand to approximately 15 feet below grade and coarse sand to the boring terminus. The groundwater was encountered at a depth of approximately 9 feet below grade of Lots 22 and 23.

Lots 22 and 23
No VOCs or SVOCs were detected above UUSCOs within any of the soil samples from Lots 22 and 23. Groundwater samples showed concentrations of several chlorinated VOCs above NYSDEC Groundwater Quality Standards including tetrachloroethene (PCE) at a concentration of 950 ug/L. Based on the historic use of the lots for controller manufacturing, leather goods and plating equipment and the chlorinated solvent detections in soil, it's possible that the contaminants are site related.

Lot 4
Elevated concentrations of petroleum VOCs were detected within one soil sample, but only one VOC, n-Propylbenzene, was reported above its respective UUSCO. No SVOCs were detected above UUSCOs within either of the soil samples retained. The groundwater results showed several petroleum VOCs and SVOCs over NYSDEC Groundwater Quality Standards in each sample including n-propylbenzene. Based on field observations and the elevated levels of petroleum VOCs in soil and groundwater in the vicinity of the UST, a spill was reported to the NYSDEC as required by Law (Spill No. 1302045).

4.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-6

NYSDEC, Division of Water, June 1998, Addendum April 2000, *Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

Environmental Business Consultants, October 2011, *Phase I Environmental Site Assessment, 27-21 44th Drive, Long Island City, NY.*

TABLES

TABLE 1
27-21 44th Drive
Queens, NY
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,1-Trichloroethane	680	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,2,2-Tetrachloroethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
1,1,2-Trichloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethane	270	26,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethene	330	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trimethylbenzene	3,600	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromo-3-chloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromoethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloroethane	20	3,100	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3,5-Trimethylbenzene	8,400	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichlorobenzene	2,400	4,900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,4-Dichlorobenzene	1,800	13,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Hexanone (Methyl Butyl Ketone)			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
2-Isopropyltoluene			ND	7	**12**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Methyl-2-Pentanone			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
Acetone	50	100,000	ND	35	ND	36	ND	27	ND	27	ND	50	ND	31,000
Acrylonitrile			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Benzene	60	4,800	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromochloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromodichloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromoform			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon Disulfide			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon tetrachloride	760	2,400	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroform	370	49,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
cis-1,2-Dichloroethene	250	100,000	ND	7	ND	7.3	**90**	5.3	**12**	5.5	ND	12	ND	1,600
cis-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dibromochloromethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
Dibromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dichlorodifluoromethane		100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Ethylbenzene	1,000	41,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Hexachlorobutadiene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Isopropylbenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	**32**	12	**2,000**	1,600
m&p-Xylenes	260		ND	7	ND	7.3	ND	5.3	ND	5.5	**16**	12	ND	1,600
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	42	ND	44	ND	32	ND	33	ND	70	ND	9,400
Methyl t-butyl ether (MTBE)	930	100,000	ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Methylene chloride	50	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Naphthalene	12,000		ND	7	**39**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
n-Butylbenzene	12,000	100,000	ND	7	**21**	7.3	ND	5.3	ND	5.5	**18**	12	**4,000**	1,600
n-Propylbenzene	3,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	**51**	12	**4,500**	1,600
o-Xylene	260	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
p-Isopropyltoluene			ND	7	**25**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
sec-Butylbenzene	11,000	100,000	ND	7	**35**	7.3	ND	5.3	ND	5.5	**18**	12	**1,700**	1,600
Styrene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
tert-Butylbenzene	5,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Tetrachloroethene	1,300	19,000	ND	7	ND	7.3	**630**	290	**92**	5.5	ND	12	ND	1,600
Tetrahydrofuran (THF)			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Toluene	700	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total Xylenes			ND	7	ND	7.3	ND	5.3	ND	5.5	16	12	ND	1,600
trans-1,2-Dichloroethene	190	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trans-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trabs-1,4-dichloro-2-butene			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Trichloroethene	470	21,000	ND	7	ND	7.3	**64**	5.3	**11**	5.5	ND	12	ND	1,600
Trichlorofluoromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Trichlorotrifluoroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Vinyl Chloride	20	900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total BTEX Concentration			**0.0**		**25.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**132.0**		**784.0**		**115.0**		**151.0**		**12200.0**	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
ND - Not-detected
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 2
27-21 44th Drive
Queens, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Acenaphthene	20,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Acenaphthylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Anthracene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Benz(a)anthracene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**680**	310	ND	3,100
Benzo(a)pyrene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**580**	310	ND	3,100
Benzo(b)fluoranthene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**700**	310	ND	3,100
Benzo(ghi)perylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**410**	310	ND	3,100
Benzo(k)fluoranthene	800	3,900	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Chrysene	1,000	3,900	ND	270	ND	270	ND	270	ND	270	**820**	310	ND	3,100
Dibenz(a,h)anthracene	330	330	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Fluoranthene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,600**	310	ND	3,100
Fluorene	30,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Indeno(1,2,3-cd)pyrene	500	500	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Naphthalene	12,000	100,000	ND	270	ND	270	ND	270	ND	270	**310**	310	ND	3,100
Phenanthrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,100**	310	ND	3,100
Pyrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,700**	310	ND	3,100

Notes:

* - NYSDEC Technical and Administative Guidance Memorandum 4046, 1994

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

NA - Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1		GW3		GW4		TANK GW1		TANK GW2	
	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,1,1-Trichloroethane	5	ND	1	**18**	1	**15**	2	ND	20	ND	40
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	2	ND	20	ND	40
1,1-Dichloroethane	5	ND	1	**1.7**	1	**3.1**	2	ND	20	ND	40
1,1-Dichloroethene	5	ND	1	**1.4**	1	ND	2	ND	20	ND	40
1,1-Dichloropropene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromo-3-chloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloropropane	0.94	ND	0.6	ND	0.6	ND	1.2	ND	12	ND	24
1,3,5-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromoethane		ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,4-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2,2-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Hexanone (Methyl Butyl Ketone)		ND	5	ND	5	ND	10	ND	100	ND	200
2-Isopropyltoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Methyl-2-Pentanone		ND	5	ND	5	ND	10	ND	100	ND	200
Acetone		ND	25	ND	25	ND	50	ND	500	ND	1,000
Acrylonitrile	5	ND	5	ND	5	ND	10	ND	100	ND	200
Benzene	1	ND	0.7	ND	0.7	ND	1.4	ND	14	ND	28
Bromobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromochloromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromodichloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Bromoform		ND	1	ND	1	ND	2	ND	20	ND	40
Bromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Carbon Disulfide	60	ND	5	ND	5	ND	10	ND	100	ND	200
Carbon tetrachloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroform	7	ND	1	ND	1	ND	2	ND	20	ND	40
Chloromethane	60	ND	1	ND	1	ND	2	ND	20	ND	40
cis-1,2-Dichloroethene	5	**4.2**	1	**190**	10	**130**	20	ND	20	ND	40
cis-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromochloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Dichlorodifluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Ethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Hexachlorobutadiene	0.5	ND	0.4	ND	0.4	ND	0.8	ND	8	ND	16
Isopropylbenzene	5	ND	1	ND	1	ND	2	ND	20	**47**	40
m&p-Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	10	ND	100	ND	200
Methyl t-butyl ether (MTBE)	10	ND	1	ND	1	ND	2	ND	20	ND	40
Methylene chloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Naphthalene	10	ND	1	ND	1	ND	2	ND	20	ND	40
n-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	**66**	40
n-Propylbenzene	5	ND	1	ND	1	ND	2	**21**	20	**110**	40
o-Xylene	5	ND	1	ND	1	ND	2	ND	20	ND	40
p-Isopropyltoluene		ND	1	ND	1	ND	2	ND	20	ND	40
sec-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Styrene	5	ND	1	ND	1	ND	2	ND	20	ND	40
tert-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Tetrachloroethene	5	**19**	1	**950**	50	**610**	20	ND	20	ND	40
Tetrahydrofuran (THF)		ND	2.5	ND	2.5	ND	5	ND	50	ND	100
Toluene	5	**1.8**	1	ND	1	ND	2	ND	20	ND	40
Total Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
trans-1,2-Dichloroethene	5	ND	1	**6.6**	1	**14**	2	ND	20	ND	40
trans-1,3-Dichloropropene	0.4	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
trans-1,4-dichloro-2-butene	5	ND	5	ND	5	ND	10	ND	100	ND	200
Trichloroethene	5	**3.2**	1	**150**	10	**90**	20	ND	20	ND	40
Trichlorofluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Trichlorotrifluoroethane		ND	1	ND	1	ND	2	ND	20	ND	40
Vinyl Chloride	2	ND	1	**5.6**	1	**5.1**	2	ND	20	ND	40

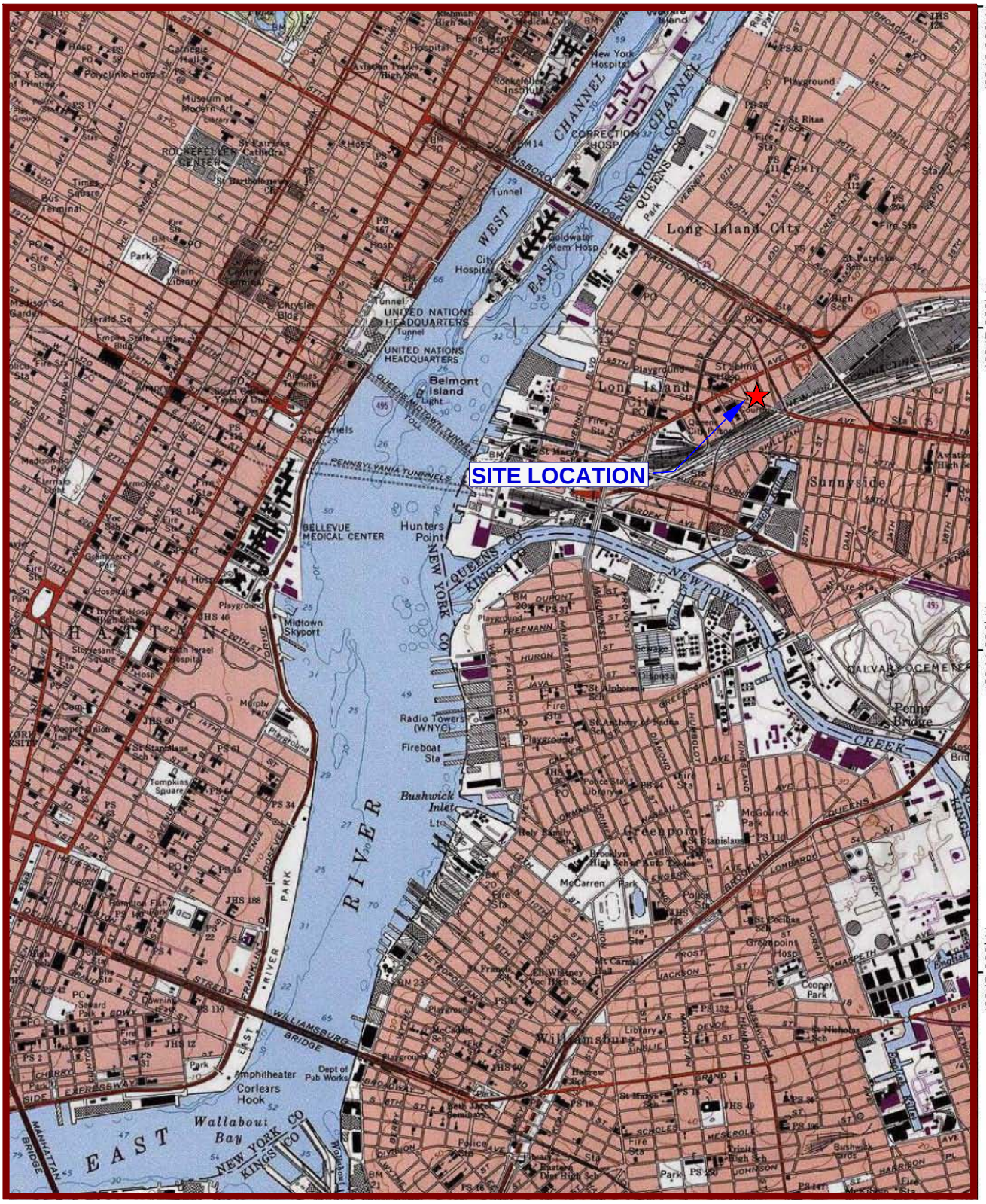
Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 4
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	TANK GW1 µg/L		TANK GW2 µg/L	
		Result	RL	Result	RL
2-Methylnaphthalene		**0.98**	0.1	ND	*50
Acenaphthene	20	**1.4**	0.1	ND	*50
Acenaphthylene		**1.1**	0.1	ND	*50
Anthracene	50	**4.3**	0.1	ND	*50
Benz(a)anthracene	0.002	**11**	0.02	ND	*50
Benzo(a)pyrene		**11**	0.02	ND	*50
Benzo(b)fluoranthene	0.002	**13**	0.02	ND	*50
Benzo(ghi)perylene		**7.5**	0.1	ND	*50
Benzo(k)fluoranthene	0.002	**5.1**	0.02	ND	*50
Chrysene	0.002	**11**	0.02	ND	*50
Dibenzo(a,h)anthracene		**1.5**	0.01	ND	*50
Fluoranthene	50	**19**	0.1	**73**	*50
Fluorene	50	**1.4**	0.1	ND	*50
Indeno(1,2,3-cd)pyrene	0.002	**5.8**	0.02	ND	*50
Naphthalene	10	**1.5**	0.1	**57**	*50
Phenanthrene	50	**14**	0.07	**51**	*50
Pyrene	50	**21**	0.1	**69**	*50

Notes:
ND - Not detected
* - Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES

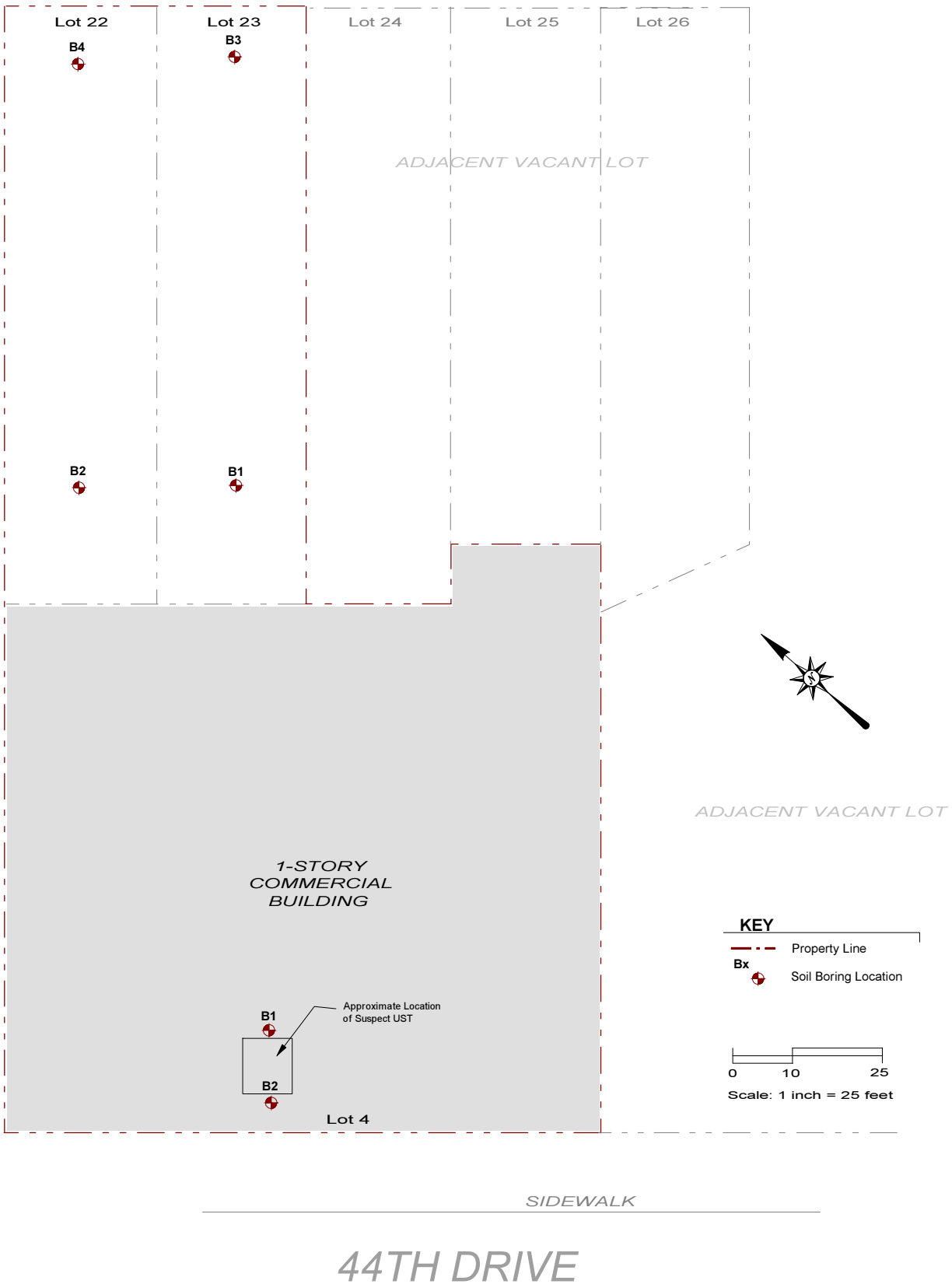


USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE & 44-18/20 PURVES STREET
LONG ISLAND CITY, NY

FIGURE 1 SITE LOCATION MAP



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE, 44-18 PURVES STREET
QUEENS, NY 11101

FIGURE 2 SITE PLAN

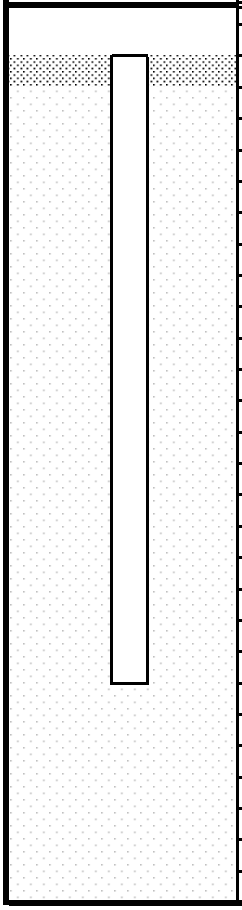
APPENDIX A
SOIL BORING LOGS

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the rear of Lot 23.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/10/2013		Date Completed: 5/10/2013			None
Completion Depth: 20 Feet		Geologist Dominick Mosca			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	29		0.0	3" - Top soil. 26" - Dark fill material in a firm silty sand matrix.
	5 to 10	30		0.0	14" - Moist brown silty sand, little to no gravel. No odor, No PID. 16" - Saturated brown, sandy loam. No gravel, No PID, No odor. **Retained Soil Sample B1 (7-10')*
	10 to 15	32		0.0	12" - Saturated brown silty sand with fine gravel. No odor, No PID. 20" - Coarse sand and gravel. No odor, No PID.
	15 to 20	18		0.0	18" - Saturated coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed in the rear of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0.0	2" - Top soil. 8" - Sandy fill, brick, gravel, dark moist sandy soil. 10" - Fine brown sand with fine gravel and trace silt. No odor, No PID.
	to 10	32		0-50	12" - Fine brown sand and gravel. 12" - Saturated grey sandy loam. Petroleum odor. PID 0-50ppm. 7" - Saturated brown sand with gravel. Slight odor. **Retained Soil Sample B2 (7-10')*
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID.
	to 20	24		0-3	24" - Saturated brown coarse sand and gravel. Bottom 8" had slight petroleum odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed in the front portion of Lot 23.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date / DTW	Groundwater depth	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	1" - Top soil. 6" - Concrete. 5" - Sandy fill material comprised of brick, wood, etc. 23" - Moist, brown silty sand with assorted gravel for the bottom 8".
	to 10	30		0.0	28" - Moist brown sandy clay. No gravel, No PID, No odor. 2" - Saturated silty sand with fine gravel.
	to 15	36		0.0	25" - Saturated brown silty sand and fine gravel. 11" - Dark brown sandy clay, no gravel. PID 0-5ppm, No odor. **Retained Soil Sample B3 (12-15')*
	to 20	30		0.0	25" - Firm, saturated, dark brown clay with no gravel. No odor, No PID. 5" - Coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed in front portion of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	4" - Top soil. 36" - Fine brown silty sand with assorted gravel. No PID, no odor.
	to 10	22		0.0	22" - Moist brown silty sand with gravel. No odor, no PID.
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID. **Retained Soil Sample B4 (12-15')*
	to 20	30		0.0	30" - Saturated medium sand with approx. 50% gravel. No odor, No PID. **Retained Groundwater Sample GW4.*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B1 Boring Log

Location: Performed adjacent to the suspect UST (toward Purves Street).			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013	Date Completed: 5/12/2013			None
Completion Depth: 10 Feet	Geologist Dominick Mosca			

Tank B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	50		200.0	30" - Fill material. 20" - Saturated silty sand. Stained black, heavy petroleum odor. PID 100-200ppm.
	to 10	50		300.0	50" - Saturated silty sand with fine gravel. Stained black with heavy petroleum odor, PID 0-300ppm. *Retained Soil Sample B1 (5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B2 Boring Log

Location: Performed toward the rear wall.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013		Date Completed: 5/12/2013			None
Completion Depth: 10 Feet		Geologist Dominick Mosca			

Tank B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	35		0-10	15" - Concrete 10" - Dark brown silty sand with gravel. Slight petroleum odor.
	5				
	to	40		280.0	40" - Stained black silty sand with fine gravel. PID 100-280ppm. **Retained Soil Sample B2 (5-7')*
	10				

APPENDIX B
LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, May 20, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 4416-4418 PURVES ST.
Sample ID#s: BD71472 - BD71478

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

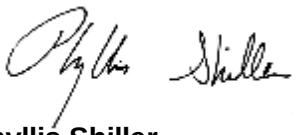
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 20, 2013

SDG I.D.: GBD71472

BD71476 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71472

Project ID: 4416-4418 PURVES ST.
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	35	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472

Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	42	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	104		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	94		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	104		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71473

Project ID: 4416-4418 PURVES ST.
Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	36	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	12	7.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	44	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	39	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	21	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	25	7.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	35	7.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	15	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	108		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	37		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	40		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	47		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71474

Project ID: 4416-4418 PURVES ST.
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474

Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	90	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	630	290	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	64	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	97		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	92		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	87		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	96		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71475

Project ID: 4416-4418 PURVES ST.
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	12	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	92	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	11	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	92		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71475
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	93		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	107		%	05/16/13	DD	30 - 130 %

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71476

Project ID: 4416-4418 PURVES ST.
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/16/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/16/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,2-Dichloroethene	4.2	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/16/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrachloroethene	19	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/16/13	R/T	SW8260	1
Toluene	1.8	1.0	ug/L	05/16/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Trichloroethene	3.2	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/16/13	R/T	70 - 130 %	
% Bromofluorobenzene	85		%	05/16/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/16/13	R/T	70 - 130 %	
% Toluene-d8	92		%	05/16/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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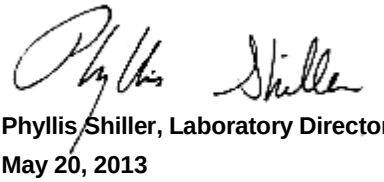

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71477

Project ID: 4416-4418 PURVES ST.
Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	18	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	1.7	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	1.4	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	190	10.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	950	50.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	6.6	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	150	10.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.6	1.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	96		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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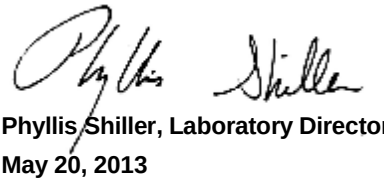

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71478

Project ID: 4416-4418 PURVES ST.
Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	15	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	3.1	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	1.2	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	10	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	10	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	50	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	10	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	1.4	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	10	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	130	20.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.80	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	10	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	610	20.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	14	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	90	20.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.1	2.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	87		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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Comments:

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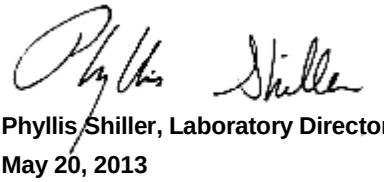

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 20, 2013

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 230739, QC Sample No: BD71313 (BD71474 (45X))										
Volatiles - Soil										
Tetrachloroethene	ND	106	100	5.8	103	93	10.2	70 - 130	30	
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.										
QA/QC Batch 230307, QC Sample No: BD71443 (BD71472, BD71473, BD71474, BD71475)										
Polynuclear Aromatic HC - Soil										
Acenaphthene	ND	88	88	0.0	91	93	2.2	30 - 130	30	
Acenaphthylene	ND	86	86	0.0	92	92	0.0	30 - 130	30	
Anthracene	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Benz(a)anthracene	ND	87	88	1.1	89	90	1.1	30 - 130	30	
Benzo(a)pyrene	ND	84	85	1.2	84	86	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	96	96	0.0	98	102	4.0	30 - 130	30	
Benzo(ghi)perylene	ND	81	81	0.0	96	87	9.8	30 - 130	30	
Benzo(k)fluoranthene	ND	98	101	3.0	90	95	5.4	30 - 130	30	
Chrysene	ND	88	88	0.0	92	91	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	80	80	0.0	99	91	8.4	30 - 130	30	
Fluoranthene	ND	91	92	1.1	95	94	1.1	30 - 130	30	
Fluorene	ND	90	90	0.0	94	94	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	82	82	0.0	82	74	10.3	30 - 130	30	
Naphthalene	ND	86	81	6.0	87	88	1.1	30 - 130	30	
Phenanthrene	ND	92	94	2.2	96	95	1.0	30 - 130	30	
Pyrene	ND	88	90	2.2	94	92	2.2	30 - 130	30	
% 2-Fluorobiphenyl	89	88	85	3.5	87	86	1.2	30 - 130	30	
% Nitrobenzene-d5	90	79	75	5.2	85	86	1.2	30 - 130	30	
% Terphenyl-d14	96	96	96	0.0	94	93	1.1	30 - 130	30	
Comment:										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 230521, QC Sample No: BD71482 (BD71472, BD71473, BD71474, BD71475)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	112	108	3.6	103	112	8.4	70 - 130	30	
1,1,1-Trichloroethane	ND	94	89	5.5	90	97	7.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	94	2.1	<40	<40	NC	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	101	4.0	90	89	1.1	70 - 130	30	
1,1-Dichloroethane	ND	95	92	3.2	91	95	4.3	70 - 130	30	
1,1-Dichloroethene	ND	91	85	6.8	91	97	6.4	70 - 130	30	
1,1-Dichloropropene	ND	101	94	7.2	94	105	11.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	103	11.3	78	80	2.5	70 - 130	30	
1,2,3-Trichloropropane	ND	98	88	10.8	90	92	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	89	97	8.6	77	81	5.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	89	4.4	86	96	11.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	120	130	8.0	112	112	0.0	70 - 130	30	
1,2-Dibromoethane	ND	98	104	5.9	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	95	94	1.1	87	95	8.8	70 - 130	30	
1,2-Dichloroethane	ND	98	100	2.0	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	92	96	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	86	8.9	87	99	12.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	92	4.3	86	96	11.0	70 - 130	30	
1,3-Dichloropropane	ND	99	99	0.0	95	97	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	92	90	2.2	84	91	8.0	70 - 130	30	
2,2-Dichloropropane	ND	96	92	4.3	88	94	6.6	70 - 130	30	
2-Chlorotoluene	ND	104	95	9.0	95	108	12.8	70 - 130	30	
2-Hexanone	ND	77	86	11.0	101	97	4.0	70 - 130	30	
2-Isopropyltoluene	ND	97	93	4.2	93	104	11.2	70 - 130	30	
4-Chlorotoluene	ND	97	91	6.4	92	103	11.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	103	11.3	99	92	7.3	70 - 130	30	
Acetone	ND	64	71	10.4	112	96	15.4	70 - 130	30	I
Acrylonitrile	ND	93	102	9.2	100	89	11.6	70 - 130	30	
Benzene	ND	91	87	4.5	87	94	7.7	70 - 130	30	
Bromobenzene	ND	106	100	5.8	99	109	9.6	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	101	100	1.0	70 - 130	30	
Bromodichloromethane	ND	92	92	0.0	87	90	3.4	70 - 130	30	
Bromoform	ND	112	116	3.5	106	108	1.9	70 - 130	30	
Bromomethane	ND	99	89	10.6	89	106	17.4	70 - 130	30	
Carbon Disulfide	ND	83	77	7.5	83	91	9.2	70 - 130	30	
Carbon tetrachloride	ND	108	103	4.7	100	114	13.1	70 - 130	30	
Chlorobenzene	ND	102	98	4.0	94	103	9.1	70 - 130	30	
Chloroethane	ND	94	87	7.7	93	100	7.3	70 - 130	30	
Chloroform	ND	88	85	3.5	84	88	4.7	70 - 130	30	
Chloromethane	ND	97	95	2.1	105	106	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	94	95	1.1	92	91	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	98	2.1	89	91	2.2	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	104	109	4.7	70 - 130	30	
Dibromomethane	ND	97	102	5.0	96	94	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	106	102	3.8	112	115	2.6	70 - 130	30	
Ethylbenzene	ND	95	89	6.5	90	100	10.5	70 - 130	30	
Hexachlorobutadiene	ND	80	91	12.9	90	100	10.5	70 - 130	30	
Isopropylbenzene	ND	105	94	11.1	97	113	15.2	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	91	99	8.4	70 - 130	30	
Methyl ethyl ketone	ND	64	76	17.1	97	84	14.4	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	85	87	2.3	86	84	2.4	70 - 130	30	
Methylene chloride	ND	78	77	1.3	80	80	0.0	70 - 130	30	
Naphthalene	ND	102	122	17.9	90	89	1.1	70 - 130	30	
n-Butylbenzene	ND	80	79	1.3	80	90	11.8	70 - 130	30	
n-Propylbenzene	ND	103	94	9.1	94	109	14.8	70 - 130	30	
o-Xylene	ND	97	94	3.1	91	99	8.4	70 - 130	30	
p-Isopropyltoluene	ND	99	94	5.2	93	106	13.1	70 - 130	30	
sec-Butylbenzene	ND	90	83	8.1	87	100	13.9	70 - 130	30	
Styrene	ND	90	88	2.2	88	93	5.5	70 - 130	30	
tert-Butylbenzene	ND	103	94	9.1	96	109	12.7	70 - 130	30	
Tetrachloroethene	ND	109	99	9.6	101	114	12.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	87	97	10.9	93	82	12.6	70 - 130	30	
Toluene	ND	92	90	2.2	88	94	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	81	6.0	82	87	5.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,3-Dichloropropene	ND	94	97	3.1	90	87	3.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	107	9.8	99	96	3.1	70 - 130	30	
Trichloroethene	ND	106	101	4.8	>150	>150	NC	70 - 130	30	m
Trichlorofluoromethane	ND	97	90	7.5	93	102	9.2	70 - 130	30	
Trichlorotrifluoroethane	ND	103	96	7.0	105	111	5.6	70 - 130	30	
Vinyl chloride	ND	105	101	3.9	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	100	102	2.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	94	95	97	2.1	96	94	2.1	70 - 130	30	
% Dibromofluoromethane	97	96	100	4.1	97	93	4.2	70 - 130	30	
% Toluene-d8	96	94	95	1.1	93	92	1.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230757, QC Sample No: BD71493 (BD71476, BD71477 (50, 10X) , BD71478 (20X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	94	91	3.2	94	91	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	85	83	2.4	97	83	15.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	108	4.7	117	112	4.4	70 - 130	30	
1,1,2-Trichloroethane	ND	95	95	0.0	106	108	1.9	70 - 130	30	
1,1-Dichloroethane	ND	106	109	2.8	111	105	5.6	70 - 130	30	
1,1-Dichloroethene	ND	103	107	3.8	117	102	13.7	70 - 130	30	
1,1-Dichloropropene	ND	95	98	3.1	112	110	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	112	9.3	116	119	2.6	70 - 130	30	
1,2,3-Trichloropropane	ND	97	100	3.0	107	101	5.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	101	3.0	108	111	2.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	100	0.0	112	108	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	104	3.9	114	112	1.8	70 - 130	30	
1,2-Dibromoethane	ND	89	91	2.2	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	98	98	0.0	103	99	4.0	70 - 130	30	
1,2-Dichloroethane	ND	78	81	3.8	80	84	4.9	70 - 130	30	
1,2-Dichloropropane	ND	98	98	0.0	109	109	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	97	1.0	107	104	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	99	99	0.0	103	100	3.0	70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	113	109	3.6	70 - 130	30	
1,4-Dichlorobenzene	ND	98	98	0.0	101	98	3.0	70 - 130	30	
2,2-Dichloropropane	ND	110	107	2.8	120	104	14.3	70 - 130	30	
2-Chlorotoluene	ND	103	104	1.0	110	105	4.7	70 - 130	30	
2-Hexanone	ND	104	103	1.0	119	113	5.2	70 - 130	30	
2-Isopropyltoluene	ND	98	98	0.0	106	103	2.9	70 - 130	30	
4-Chlorotoluene	ND	100	100	0.0	108	105	2.8	70 - 130	30	
4-Methyl-2-pentanone	ND	100	101	1.0	124	123	0.8	70 - 130	30	
Acetone	ND	90	89	1.1	54	41	27.4	70 - 130	30	m
Acrylonitrile	ND	125	132	5.4	141	123	13.6	70 - 130	30	l,m
Benzene	ND	104	110	5.6	113	128	12.4	70 - 130	30	
Bromobenzene	ND	100	100	0.0	106	103	2.9	70 - 130	30	
Bromochloromethane	ND	113	109	3.6	122	107	13.1	70 - 130	30	
Bromodichloromethane	ND	82	83	1.2	92	94	2.2	70 - 130	30	
Bromoform	ND	101	99	2.0	93	90	3.3	70 - 130	30	
Bromomethane	ND	116	117	0.9	90	86	4.5	70 - 130	30	
Carbon Disulfide	ND	104	106	1.9	130	119	8.8	70 - 130	30	
Carbon tetrachloride	ND	73	72	1.4	75	73	2.7	70 - 130	30	
Chlorobenzene	ND	99	100	1.0	103	99	4.0	70 - 130	30	
Chloroethane	ND	112	114	1.8	121	105	14.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroform	ND	99	95	4.1	110	93	16.7	70 - 130	30	
Chloromethane	ND	97	96	1.0	112	96	15.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	121	122	0.8	130	110	16.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	102	1.0	116	118	1.7	70 - 130	30	
Dibromochloromethane	ND	96	97	1.0	96	94	2.1	70 - 130	30	
Dibromomethane	ND	91	93	2.2	99	100	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	82	79	3.7	99	89	10.6	70 - 130	30	
Ethylbenzene	ND	98	97	1.0	106	103	2.9	70 - 130	30	
Hexachlorobutadiene	ND	86	85	1.2	95	95	0.0	70 - 130	30	
Isopropylbenzene	ND	101	101	0.0	113	113	0.0	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	106	102	3.8	70 - 130	30	
Methyl ethyl ketone	ND	98	101	3.0	101	85	17.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	97	4.0	135	130	3.8	70 - 130	30	m
Methylene chloride	ND	98	103	5.0	99	86	14.1	70 - 130	30	
Naphthalene	ND	106	108	1.9	140	142	1.4	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	105	103	1.9	70 - 130	30	
n-Propylbenzene	ND	104	104	0.0	114	110	3.6	70 - 130	30	
o-Xylene	ND	108	106	1.9	107	103	3.8	70 - 130	30	
p-Isopropyltoluene	ND	99	97	2.0	109	108	0.9	70 - 130	30	
sec-Butylbenzene	ND	96	94	2.1	107	103	3.8	70 - 130	30	
Styrene	ND	106	106	0.0	105	100	4.9	70 - 130	30	
tert-Butylbenzene	ND	95	96	1.0	105	102	2.9	70 - 130	30	
Tetrachloroethene	ND	92	90	2.2	102	103	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	117	0.0	121	94	25.1	70 - 130	30	
Toluene	ND	91	92	1.1	108	112	3.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	119	115	3.4	116	112	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	96	94	2.1	109	110	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	130	129	0.8	130	129	0.8	70 - 130	30	
Trichloroethene	ND	100	99	1.0	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	78	80	2.5	94	82	13.6	70 - 130	30	
Trichlorotrifluoroethane	ND	92	88	4.4	106	99	6.8	70 - 130	30	
Vinyl chloride	ND	110	108	1.8	116	101	13.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	83	95	95	0.0	89	89	0.0	70 - 130	30	
% Dibromofluoromethane	95	103	99	4.0	103	95	8.1	70 - 130	30	
% Toluene-d8	92	91	93	2.2	99	107	7.8	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230579, QC Sample No: BD78745 (BD71477, BD71478 (2X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	96	95	1.0	103			70 - 130	30	
1,1,1-Trichloroethane	ND	92	85	7.9	103			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	105	0.0	116			70 - 130	30	
1,1,2-Trichloroethane	ND	97	93	4.2	102			70 - 130	30	
1,1-Dichloroethane	ND	101	95	6.1	135			70 - 130	30	m
1,1-Dichloroethene	ND	110	99	10.5	127			70 - 130	30	
1,1-Dichloropropene	ND	93	84	10.2	131			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	108	105	2.8	105			70 - 130	30	
1,2,3-Trichloropropane	ND	99	96	3.1	110			70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	104	1.0	108			70 - 130	30	
1,2,4-Trimethylbenzene	ND	110	106	3.7	118			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	103	102	1.0	116			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	91	90	1.1	99			70 - 130	30	
1,2-Dichlorobenzene	ND	102	100	2.0	109			70 - 130	30	
1,2-Dichloroethane	ND	76	72	5.4	98			70 - 130	30	
1,2-Dichloropropane	ND	98	93	5.2	111			70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	103	4.7	117			70 - 130	30	
1,3-Dichlorobenzene	ND	107	103	3.8	112			70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	119			70 - 130	30	
1,4-Dichlorobenzene	ND	106	102	3.8	110			70 - 130	30	
2,2-Dichloropropane	ND	>150	135	NC	138			70 - 130	30	l,m
2-Chlorotoluene	ND	113	108	4.5	119			70 - 130	30	
2-Hexanone	ND	100	103	3.0	109			70 - 130	30	
2-Isopropyltoluene	ND	108	102	5.7	120			70 - 130	30	
4-Chlorotoluene	ND	109	105	3.7	120			70 - 130	30	
4-Methyl-2-pentanone	ND	97	93	4.2	110			70 - 130	30	
Acetone	ND	84	83	1.2	104			70 - 130	30	
Acrylonitrile	ND	113	116	2.6	147			70 - 130	30	m
Benzene	ND	98	90	8.5	149			70 - 130	30	m
Bromobenzene	ND	107	105	1.9	114			70 - 130	30	
Bromochloromethane	ND	107	103	3.8	124			70 - 130	30	
Bromodichloromethane	ND	88	83	5.8	95			70 - 130	30	
Bromoform	ND	100	99	1.0	109			70 - 130	30	
Bromomethane	ND	101	98	3.0	96			70 - 130	30	
Carbon Disulfide	ND	104	97	7.0	147			70 - 130	30	m
Carbon tetrachloride	ND	78	73	6.6	95			70 - 130	30	
Chlorobenzene	ND	105	101	3.9	115			70 - 130	30	
Chloroethane	ND	102	98	4.0	144			70 - 130	30	m
Chloroform	ND	97	91	6.4	111			70 - 130	30	
Chloromethane	ND	98	92	6.3	123			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	103	6.6	115			70 - 130	30	
Dibromochloromethane	ND	99	99	0.0	104			70 - 130	30	
Dibromomethane	ND	93	89	4.4	99			70 - 130	30	
Dichlorodifluoromethane	ND	99	91	8.4	99			70 - 130	30	
Ethylbenzene	ND	105	100	4.9	118			70 - 130	30	
Hexachlorobutadiene	ND	97	95	2.1	104			70 - 130	30	
Isopropylbenzene	ND	119	113	5.2	124			70 - 130	30	
m&p-Xylene	ND	106	103	2.9	120			70 - 130	30	
Methyl ethyl ketone	ND	88	86	2.3	125			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	93	87	6.7	122			70 - 130	30	
Methylene chloride	ND	90	87	3.4	115			70 - 130	30	
Naphthalene	ND	115	113	1.8	111			70 - 130	30	
n-Butylbenzene	ND	112	106	5.5	119			70 - 130	30	
n-Propylbenzene	ND	119	113	5.2	120			70 - 130	30	
o-Xylene	ND	111	107	3.7	122			70 - 130	30	
p-Isopropyltoluene	ND	111	105	5.6	118			70 - 130	30	
sec-Butylbenzene	ND	107	102	4.8	119			70 - 130	30	
Styrene	ND	107	105	1.9	122			70 - 130	30	
tert-Butylbenzene	ND	109	104	4.7	120			70 - 130	30	
Tetrahydrofuran (THF)	ND	105	97	7.9	132			70 - 130	30	m
Toluene	ND	99	93	6.3	110			70 - 130	30	
trans-1,2-Dichloroethene	ND	109	102	6.6	131			70 - 130	30	m
trans-1,3-Dichloropropene	ND	104	98	5.9	109			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	136	137	0.7	141			70 - 130	30	l,m
Trichlorofluoromethane	ND	89	81	9.4	94			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorotrifluoroethane	ND	103	94	9.1	106			70 - 130	30	
Vinyl chloride	ND	107	100	6.8	135			70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	99	99	0.0	100			70 - 130	30	
% Bromofluorobenzene	84	90	91	1.1	97			70 - 130	30	
% Dibromofluoromethane	95	99	100	1.0	99			70 - 130	30	
% Toluene-d8	93	92	91	1.1	90			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 20, 2013

Sample Criteria Exceedences Report

GBD71472 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2013

SDG I.D.: GBD71472

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

4°C w/ C of C

NY/NJ CHAIN OF CUSTODY RECORD

Temp Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email:

Customer: EBC
Address: 1808 Middle County Road, Ridge, NY 11961

Project: ~~4418 and 4420~~ 4416-4418 Pares St
Report to:
Invoice to: EBC

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Date: 5-10-13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP-51 List	Soil VOA [ ] Methanol [ ] Bisulfate [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ]	PL As is [ ]	PL H2SO4 [ ] 250ml [ ] As is [ ]	PL HNO3 250ml [ ]	PL NaOH 250ml [ ]	Bacteria Bottle
71472	B1 (7-10)	S	5.10.13		X	X		2	1	1						
71473	B2 (7-10)	"	"		"	"		"	"	"						
71474	B3 (12-15)	"	"		"	"		"	"	"						
71475	B4 (12-15)	"	"		"	"										
71476	GW1	GW	"		"	"					3					
71477	GW3	"	"		"	"					1					
71478	GW4	"	"		"	"										

Relinquished by:	Accepted by:	Date	Time:
		5-13-13	2100
	Lora Bryda	5-13-13	17:14

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Thursday, May 23, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 27-21 44TH
Sample ID#s: BD80732 - BD80737

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 23, 2013

SDG I.D.: GBD80732

BD80734 - The pH in the preserved vial was greater than 2.

BD80735 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80732

Project ID: 27-21 44TH
Client ID: B1 5-8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	58	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	58	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	32	12	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	16	12	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	70	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	51	12	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	23	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	16	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	128		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	90		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	112		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Benz(a)anthracene	680	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(a)pyrene	580	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	700	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(ghi)perylene	410	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Chrysene	820	310	ug/Kg	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Fluoranthene	1600	310	ug/Kg	05/22/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Naphthalene	310	310	ug/Kg	05/22/13	DD	SW 8270
Phenanthrene	1100	310	ug/Kg	05/22/13	DD	SW 8270
Pyrene	1700	310	ug/Kg	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	65		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	111		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 23, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80733

Project ID: 27-21 44TH
Client ID: B2 4-7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	940	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	31000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	940	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	2000	1600	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	9400	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	4000	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	4500	1600	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	1700	1600	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	144		%	05/18/13	R/J	70 - 130 %	3

Project ID: 27-21 44TH
Client ID: B2 4-7

Phoenix I.D.: BD80733

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	109		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Acenaphthylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benz(a)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(a)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(b)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(ghi)perylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(k)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Chrysene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluorene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Naphthalene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Phenanthrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated surrogate recovery was observed for volatiles due to matrix interference.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80734

Project ID: 27-21 44TH
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	10	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	12	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	100	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	100	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	500	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	100	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	14	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	100	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	8.0	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	100	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	20	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	21	20	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	20	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	50	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	20	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	100	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	95		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	101		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Semivolatiles by SIM						
2-Methylnaphthalene	0.98	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthylene	1.1	0.10	ug/L	05/22/13	DD	8270(SIM)
Anthracene	4.3	0.10	ug/L	05/22/13	DD	8270(SIM)
Benz(a)anthracene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(a)pyrene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(b)fluoranthene	13	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(ghi)perylene	7.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Benzo(k)fluoranthene	5.1	0.020	ug/L	05/22/13	DD	8270(SIM)
Chrysene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Dibenz(a,h)anthracene	1.5	0.010	ug/L	05/22/13	DD	8270(SIM)
Fluoranthene	19	0.10	ug/L	05/22/13	DD	8270(SIM)
Fluorene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Indeno(1,2,3-cd)pyrene	5.8	0.020	ug/L	05/22/13	DD	8270(SIM)
Naphthalene	1.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Phenanthrene	14	0.070	ug/L	05/22/13	DD	8270(SIM)
Pyrene	21	0.10	ug/L	05/22/13	DD	8270(SIM)
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	59		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	73		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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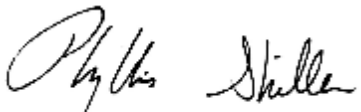

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80735

Project ID: 27-21 44TH
Client ID: GW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	24	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	200	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	200	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	1000	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	200	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	28	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	200	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	16	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	47	40	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	200	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	40	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	40	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	66	40	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	110	40	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	40	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	100	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	40	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	200	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	104		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	105		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthylene	ND	50	ug/L	05/22/13	DD	SW 8270
Anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benz(a)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(a)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(ghi)perylene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Chrysene	ND	50	ug/L	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Fluoranthene	73	50	ug/L	05/22/13	DD	SW 8270
Fluorene	ND	50	ug/L	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Naphthalene	57	50	ug/L	05/22/13	DD	SW 8270
Phenanthrene	51	50	ug/L	05/22/13	DD	SW 8270
Pyrene	69	50	ug/L	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated reporting limits for volatiles due to the presence of non-target compounds.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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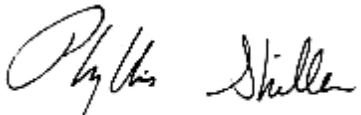

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80736

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	5000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	3000	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	500	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	111		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	102		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80737

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	25	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	109		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	107		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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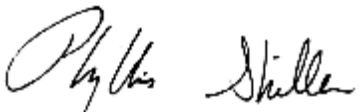

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 23, 2013

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 231177, QC Sample No: BD70474 (BD80732, BD80736 (50X) , BD80737)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	108	109	0.9	105	103	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	104	104	0.0	87	92	5.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	106	0.9	111	107	3.7	70 - 130	30	
1,1,2-Trichloroethane	ND	112	111	0.9	105	103	1.9	70 - 130	30	
1,1-Dichloroethane	ND	115	116	0.9	109	108	0.9	70 - 130	30	
1,1-Dichloroethene	ND	120	121	0.8	88	86	2.3	70 - 130	30	
1,1-Dichloropropene	ND	112	111	0.9	108	107	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	102	1.0	103	98	5.0	70 - 130	30	
1,2,3-Trichloropropane	ND	104	103	1.0	98	96	2.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	102	1.0	109	101	7.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	115	113	1.8	111	104	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	100	2.0	94	90	4.3	70 - 130	30	
1,2-Dibromoethane	ND	104	106	1.9	102	100	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	109	107	1.9	108	103	4.7	70 - 130	30	
1,2-Dichloroethane	ND	95	94	1.1	89	88	1.1	70 - 130	30	
1,2-Dichloropropane	ND	112	112	0.0	108	107	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	111	1.8	110	103	6.6	70 - 130	30	
1,3-Dichlorobenzene	ND	112	110	1.8	112	106	5.5	70 - 130	30	
1,3-Dichloropropane	ND	105	107	1.9	104	103	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	111	108	2.7	110	104	5.6	70 - 130	30	
2,2-Dichloropropane	ND	91	109	18.0	98	98	0.0	70 - 130	30	
2-Chlorotoluene	ND	115	115	0.0	112	105	6.5	70 - 130	30	
2-Hexanone	ND	90	88	2.2	56	55	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	111	110	0.9	110	103	6.6	70 - 130	30	
4-Chlorotoluene	ND	112	110	1.8	113	106	6.4	70 - 130	30	
4-Methyl-2-pentanone	ND	105	101	3.9	91	89	2.2	70 - 130	30	
Acetone	ND	105	85	21.1	44	<40	NC	70 - 130	30	m
Acrylonitrile	ND	108	110	1.8	104	102	1.9	70 - 130	30	
Benzene	ND	113	112	0.9	110	109	0.9	70 - 130	30	
Bromobenzene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
Bromochloromethane	ND	95	106	10.9	92	90	2.2	70 - 130	30	
Bromodichloromethane	ND	103	103	0.0	99	97	2.0	70 - 130	30	
Bromoform	ND	109	109	0.0	98	97	1.0	70 - 130	30	
Bromomethane	ND	107	120	11.5	53	64	18.8	70 - 130	30	m
Carbon Disulfide	ND	117	118	0.9	96	95	1.0	70 - 130	30	
Carbon tetrachloride	ND	99	103	4.0	78	92	16.5	70 - 130	30	
Chlorobenzene	ND	111	111	0.0	109	105	3.7	70 - 130	30	
Chloroethane	ND	110	111	0.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	92	111	18.7	86	84	2.4	70 - 130	30	
Chloromethane	ND	108	116	7.1	93	102	9.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	124	122	1.6	117	114	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	106	108	1.9	108	108	0.0	70 - 130	30	
Dibromochloromethane	ND	105	107	1.9	102	99	3.0	70 - 130	30	
Dibromomethane	ND	105	103	1.9	97	97	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	115	118	2.6	97	97	0.0	70 - 130	30	
Ethylbenzene	ND	111	111	0.0	113	108	4.5	70 - 130	30	
Hexachlorobutadiene	ND	100	99	1.0	104	93	11.2	70 - 130	30	
Isopropylbenzene	ND	119	118	0.8	116	110	5.3	70 - 130	30	
m&p-Xylene	ND	115	115	0.0	115	110	4.4	70 - 130	30	
Methyl ethyl ketone	ND	87	86	1.2	51	46	10.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	105	109	3.7	117	118	0.9	70 - 130	30	
Methylene chloride	ND	110	110	0.0	109	107	1.9	70 - 130	30	
Naphthalene	ND	102	102	0.0	101	97	4.0	70 - 130	30	
n-Butylbenzene	ND	110	110	0.0	109	99	9.6	70 - 130	30	
n-Propylbenzene	ND	120	119	0.8	117	110	6.2	70 - 130	30	
o-Xylene	ND	119	119	0.0	117	113	3.5	70 - 130	30	
p-Isopropyltoluene	ND	115	113	1.8	114	106	7.3	70 - 130	30	
sec-Butylbenzene	ND	111	110	0.9	111	104	6.5	70 - 130	30	
Styrene	ND	115	114	0.9	116	112	3.5	70 - 130	30	
tert-Butylbenzene	ND	113	112	0.9	109	103	5.7	70 - 130	30	
Tetrachloroethene	ND	114	114	0.0	111	106	4.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	105	3.7	78	94	18.6	70 - 130	30	
Toluene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	121	123	1.6	115	114	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	107	4.8	104	103	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	118	9.8	105	104	1.0	70 - 130	30	
Trichloroethene	ND	119	114	4.3	106	103	2.9	70 - 130	30	
Trichlorofluoromethane	ND	105	105	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	112	115	2.6	96	95	1.0	70 - 130	30	
Vinyl chloride	ND	118	121	2.5	117	116	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	98	98	0.0	97	96	1.0	70 - 130	30	
% Bromofluorobenzene	96	98	99	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	110	105	107	1.9	83	102	20.5	70 - 130	30	
% Toluene-d8	102	102	101	1.0	102	102	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231008, QC Sample No: BD80191 (BD80734, BD80735)

Semivolatiles - Ground Water

2-Methylnaphthalene	ND	78	79	1.3				30 - 130	20	
Acenaphthene	ND	81	79	2.5				30 - 130	20	
Acenaphthylene	ND	81	81	0.0				30 - 130	20	
Anthracene	ND	82	83	1.2				30 - 130	20	
Benz(a)anthracene	ND	88	87	1.1				30 - 130	20	
Benzo(a)pyrene	ND	86	86	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	96	100	4.1				30 - 130	20	
Benzo(ghi)perylene	ND	90	90	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	97	92	5.3				30 - 130	20	
Chrysene	ND	89	89	0.0				30 - 130	20	
Dibenz(a,h)anthracene	ND	85	85	0.0				30 - 130	20	
Fluoranthene	ND	91	92	1.1				30 - 130	20	
Fluorene	ND	90	90	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	86	86	0.0				30 - 130	20	
Naphthalene	ND	85	86	1.2				30 - 130	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Phenanthrene	ND	85	85	0.0				30 - 130	20	
Pyrene	ND	90	91	1.1				30 - 130	20	
% 2-Fluorobiphenyl	86	82	81	1.2				30 - 130	20	
% Nitrobenzene-d5	94	65	67	3.0				30 - 130	20	
% Terphenyl-d14	105	100	100	0.0				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 231171, QC Sample No: BD80709 (BD80733 (200X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	104	102	1.9	97	98	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	102	1.0	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	93	2.2	99	105	5.9	70 - 130	30	
1,1,2-Trichloroethane	ND	106	105	0.9	100	102	2.0	70 - 130	30	
1,1-Dichloroethane	ND	109	108	0.9	108	107	0.9	70 - 130	30	
1,1-Dichloroethene	ND	115	114	0.9	110	113	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	102	102	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	89	3.3	58	54	7.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	97	96	1.0	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	85	3.5	69	61	12.3	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	106	103	2.9	<40	<40	NC	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	91	96	5.3	90	95	5.4	70 - 130	30	
1,2-Dibromoethane	ND	100	99	1.0	95	98	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	99	96	3.1	44	<40	NC	70 - 130	30	m
1,2-Dichloroethane	ND	91	90	1.1	88	88	0.0	70 - 130	30	
1,2-Dichloropropane	ND	107	106	0.9	104	106	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	105	102	2.9	60	56	6.9	70 - 130	30	m
1,3-Dichlorobenzene	ND	100	97	3.0	84	80	4.9	70 - 130	30	
1,3-Dichloropropane	ND	102	101	1.0	96	98	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	97	95	2.1	75	68	9.8	70 - 130	30	m
2,2-Dichloropropane	ND	97	122	22.8	96	113	16.3	70 - 130	30	
2-Chlorotoluene	ND	107	104	2.8	62	56	10.2	70 - 130	30	m
2-Hexanone	ND	74	72	2.7	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	103	2.9	75	72	4.1	70 - 130	30	
4-Chlorotoluene	ND	101	99	2.0	67	59	12.7	70 - 130	30	m
4-Methyl-2-pentanone	ND	92	94	2.2	57	68	17.6	70 - 130	30	m
Acetone	ND	77	67	13.9	49	53	7.8	70 - 130	30	l,m
Acrylonitrile	ND	99	96	3.1	95	104	9.0	70 - 130	30	
Benzene	ND	109	108	0.9	88	86	2.3	70 - 130	30	
Bromobenzene	ND	103	101	2.0	50	40	22.2	70 - 130	30	m
Bromochloromethane	ND	114	112	1.8	88	112	24.0	70 - 130	30	
Bromodichloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromoform	ND	102	101	1.0	92	96	4.3	70 - 130	30	
Bromomethane	ND	104	113	8.3	112	112	0.0	70 - 130	30	
Carbon Disulfide	ND	112	110	1.8	116	116	0.0	70 - 130	30	
Carbon tetrachloride	ND	100	100	0.0	99	100	1.0	70 - 130	30	
Chlorobenzene	ND	106	103	2.9	70	63	10.5	70 - 130	30	m
Chloroethane	ND	106	104	1.9	109	108	0.9	70 - 130	30	
Chloroform	ND	107	106	0.9	100	104	3.9	70 - 130	30	
Chloromethane	ND	105	110	4.7	107	110	2.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	116	144	21.5	104	103	1.0	70 - 130	30	l
cis-1,3-Dichloropropene	ND	100	101	1.0	91	91	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	102	102	0.0	92	95	3.2	70 - 130	30	
Dibromomethane	ND	100	100	0.0	91	93	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	116	116	0.0	114	117	2.6	70 - 130	30	
Ethylbenzene	ND	107	105	1.9	66	57	14.6	70 - 130	30	m
Hexachlorobutadiene	ND	96	91	5.3	66	67	1.5	70 - 130	30	m
Isopropylbenzene	ND	114	112	1.8	71	64	10.4	70 - 130	30	m
m&p-Xylene	ND	109	106	2.8	63	53	17.2	70 - 130	30	m
Methyl ethyl ketone	ND	71	69	2.9	46	52	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	102	2.0	111	114	2.7	70 - 130	30	
Methylene chloride	ND	104	100	3.9	111	111	0.0	70 - 130	30	
Naphthalene	ND	96	95	1.0	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	<40	<40	NC	70 - 130	30	m
n-Propylbenzene	ND	111	110	0.9	59	50	16.5	70 - 130	30	m
o-Xylene	ND	113	110	2.7	66	59	11.2	70 - 130	30	m
p-Isopropyltoluene	ND	108	105	2.8	67	62	7.8	70 - 130	30	m
sec-Butylbenzene	ND	106	105	0.9	64	59	8.1	70 - 130	30	m
Styrene	ND	108	105	2.8	<40	<40	NC	70 - 130	30	m
tert-Butylbenzene	ND	109	107	1.9	79	78	1.3	70 - 130	30	
Tetrachloroethene	ND	110	109	0.9	104	105	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	97	97	0.0	94	106	12.0	70 - 130	30	
Toluene	ND	106	105	0.9	78	73	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	115	112	2.6	111	109	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	98	3.1	91	89	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	102	7.1	78	80	2.5	70 - 130	30	
Trichloroethene	ND	119	113	5.2	103	103	0.0	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	104	102	1.9	70 - 130	30	
Trichlorotrifluoroethane	ND	111	110	0.9	113	113	0.0	70 - 130	30	
Vinyl chloride	ND	113	115	1.8	108	109	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	97	98	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	112	104	103	1.0	109	111	1.8	70 - 130	30	
% Toluene-d8	102	101	102	1.0	103	101	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231371, QC Sample No: BD80734 (BD80734 (20X) , BD80735 (40X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	84	86	2.4	86	86	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	83	82	1.2	84	82	2.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	83	84	1.2	92	91	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	89	89	0.0	89	86	3.4	70 - 130	30	
1,1-Dichloroethane	ND	85	85	0.0	88	85	3.5	70 - 130	30	
1,1-Dichloroethene	ND	81	80	1.2	85	80	6.1	70 - 130	30	
1,1-Dichloropropene	ND	80	79	1.3	78	76	2.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	86	86	0.0	85	90	5.7	70 - 130	30	
1,2,3-Trichloropropane	ND	82	84	2.4	92	91	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	83	1.2	83	86	3.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	78	80	2.5	78	76	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	82	81	1.2	88	89	1.1	70 - 130	30	
1,2-Dibromoethane	ND	87	89	2.3	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	84	85	1.2	85	84	1.2	70 - 130	30	
1,2-Dichloroethane	ND	89	87	2.3	88	86	2.3	70 - 130	30	
1,2-Dichloropropane	ND	84	85	1.2	87	85	2.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	82	84	2.4	83	81	2.4	70 - 130	30	
1,3-Dichlorobenzene	ND	84	87	3.5	85	84	1.2	70 - 130	30	
1,3-Dichloropropane	ND	83	85	2.4	90	91	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	84	86	2.4	84	83	1.2	70 - 130	30	
2,2-Dichloropropane	ND	58	57	1.7	52	52	0.0	70 - 130	30	l,m
2-Chlorotoluene	ND	87	88	1.1	85	85	0.0	70 - 130	30	
2-Hexanone	ND	85	82	3.6	89	82	8.2	70 - 130	30	
2-Isopropyltoluene	ND	84	85	1.2	85	83	2.4	70 - 130	30	
4-Chlorotoluene	ND	84	86	2.4	85	85	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	89	91	2.2	91	91	0.0	70 - 130	30	
Acetone	ND	77	77	0.0	64	56	13.3	70 - 130	30	m
Acrylonitrile	ND	87	86	1.2	89	87	2.3	70 - 130	30	
Benzene	ND	80	81	1.2	79	77	2.6	70 - 130	30	
Bromobenzene	ND	86	88	2.3	87	86	1.2	70 - 130	30	
Bromochloromethane	ND	88	86	2.3	92	88	4.4	70 - 130	30	
Bromodichloromethane	ND	86	86	0.0	87	86	1.2	70 - 130	30	
Bromoform	ND	89	91	2.2	90	89	1.1	70 - 130	30	
Bromomethane	ND	91	94	3.2	66	70	5.9	70 - 130	30	m
Carbon Disulfide	ND	71	71	0.0	90	85	5.7	70 - 130	30	
Carbon tetrachloride	ND	81	82	1.2	72	74	2.7	70 - 130	30	
Chlorobenzene	ND	85	86	1.2	86	84	2.4	70 - 130	30	
Chloroethane	ND	81	82	1.2	89	83	7.0	70 - 130	30	
Chloroform	ND	87	86	1.2	90	85	5.7	70 - 130	30	
Chloromethane	ND	82	83	1.2	89	83	7.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	86	86	0.0	90	83	8.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	82	82	0.0	80	80	0.0	70 - 130	30	
Dibromochloromethane	ND	84	85	1.2	88	89	1.1	70 - 130	30	
Dibromomethane	ND	88	88	0.0	90	87	3.4	70 - 130	30	
Dichlorodifluoromethane	ND	76	76	0.0	80	75	6.5	70 - 130	30	
Ethylbenzene	ND	79	81	2.5	83	80	3.7	70 - 130	30	
Hexachlorobutadiene	ND	75	78	3.9	76	76	0.0	70 - 130	30	
Isopropylbenzene	ND	83	86	3.6	84	81	3.6	70 - 130	30	
m&p-Xylene	ND	80	81	1.2	84	80	4.9	70 - 130	30	
Methyl ethyl ketone	ND	89	88	1.1	98	90	8.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	76	77	1.3	90	91	1.1	70 - 130	30	
Methylene chloride	ND	83	83	0.0	92	87	5.6	70 - 130	30	
Naphthalene	ND	82	81	1.2	95	89	6.5	70 - 130	30	
n-Butylbenzene	ND	82	84	2.4	80	79	1.3	70 - 130	30	
n-Propylbenzene	ND	82	85	3.6	82	80	2.5	70 - 130	30	
o-Xylene	ND	87	88	1.1	85	82	3.6	70 - 130	30	
p-Isopropyltoluene	ND	82	84	2.4	82	80	2.5	70 - 130	30	
sec-Butylbenzene	ND	81	83	2.4	83	80	3.7	70 - 130	30	
Styrene	ND	88	89	1.1	87	84	3.5	70 - 130	30	
tert-Butylbenzene	ND	84	86	2.4	83	82	1.2	70 - 130	30	
Tetrachloroethene	ND	78	79	1.3	79	78	1.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	89	0.0	96	92	4.3	70 - 130	30	
Toluene	ND	83	83	0.0	84	80	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	84	83	1.2	87	82	5.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	81	82	1.2	81	80	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	72	78	8.0	73	73	0.0	70 - 130	30	
Trichloroethene	ND	84	84	0.0	84	82	2.4	70 - 130	30	
Trichlorofluoromethane	ND	78	77	1.3	82	78	5.0	70 - 130	30	
Trichlorotrifluoroethane	ND	74	72	2.7	78	74	5.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	86	85	1.2	87	79	9.6	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	100	101	1.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	99	102	100	2.0	103	100	3.0	70 - 130	30
% Toluene-d8	101	101	102	1.0	98	99	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231017, QC Sample No: BD80840 (BD80732, BD80733)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	70	69	1.4	72	76	5.4	30 - 130	30
Acenaphthylene	ND	74	76	2.7	74	79	6.5	30 - 130	30
Anthracene	ND	76	75	1.3	76	78	2.6	30 - 130	30
Benz(a)anthracene	ND	80	76	5.1	77	81	5.1	30 - 130	30
Benzo(a)pyrene	ND	75	73	2.7	77	81	5.1	30 - 130	30
Benzo(b)fluoranthene	ND	81	84	3.6	85	93	9.0	30 - 130	30
Benzo(ghi)perylene	ND	92	90	2.2	90	88	2.2	30 - 130	30
Benzo(k)fluoranthene	ND	86	79	8.5	91	94	3.2	30 - 130	30
Chrysene	ND	75	74	1.3	93	84	10.2	30 - 130	30
Dibenz(a,h)anthracene	ND	86	86	0.0	87	89	2.3	30 - 130	30
Fluoranthene	ND	77	74	4.0	83	86	3.6	30 - 130	30
Fluorene	ND	76	77	1.3	80	83	3.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	88	86	2.3	91	88	3.4	30 - 130	30
Naphthalene	ND	77	75	2.6	78	83	6.2	30 - 130	30
Phenanthrene	ND	80	78	2.5	79	82	3.7	30 - 130	30
Pyrene	ND	75	74	1.3	85	87	2.3	30 - 130	30
% 2-Fluorobiphenyl	68	69	69	0.0	76	81	6.4	30 - 130	30
% Nitrobenzene-d5	62	61	61	0.0	63	67	6.2	30 - 130	30
% Terphenyl-d14	80	80	78	2.5	94	96	2.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 23, 2013

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	1600	210	210	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	1600	900	900	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BD80733	$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31000	50	50	ug/Kg
BD80733	$8260MAR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	50	50	ug/Kg
BD80733	$8260MAR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	190	190	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	270	270	ug/Kg
BD80733	$8260MAR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	250	250	ug/Kg
BD80733	$8260MAR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	9400	120	120	ug/Kg
BD80733	$8260MAR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	370	370	ug/Kg
BD80733	$8260MAR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	680	680	ug/Kg
BD80733	$8260MAR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3100	930	930	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Residential	ND	1600	1400	1400	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	760	760	ug/Kg
BD80733	$8260MAR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	60	60	ug/Kg
BD80733	$8260MAR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	470	470	ug/Kg
BD80733	$8260MAR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	700	700	ug/Kg
BD80733	$8260MAR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1300	1300	ug/Kg
BD80733	$8260MAR	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1000	1000	ug/Kg
BD80733	$8260MAR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	1600	3900	3900	ug/Kg
BD80733	$8260MAR	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	260	260	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	800	800	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	330	330	ug/Kg

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	330	330	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	330	330	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BD80736	$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BD80736	$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BD80736	$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BD80736	$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BD80736	$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BD80736	$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 23, 2013

SDG I.D.: GBD80732

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

4°W/ice+TP Temp Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email:

Customer: EBC
Address: 1808 Middle Country Road Ridge, NY

Project: 27-21 44th Drive
Report to: EBC
Invoice to:

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5-17-13

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP51 List	Soil Vial H2O	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
80732	B1 (5-8)	S	5-17-13		X	X		2	1	1							
80733	B2 (4-7)	S	"		"	"		2	1	1							
80734	GW1	GW	"		"	"					3	1					
80735	GW2	GW	"		"	"					3	1					
80736	Trip Blank w/ Above							1									
80737	TB Low level							2									

Relinquished by:	Accepted by:	Date:	Time:
[signature] for RS	[signature]	5-17-13	12:00
	Cparadise	5/17/13	1500

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for

27-21 44th DRIVE, 44-18 PURVES STREET
Long Island City, New York

Prepared For:

Silvercup Properties, LLC
42-22 22nd Street
Long Island City, New York 11101

Prepared By:

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

Jason Hayes, P.E., LEED AP
Associate

January 13, 2014
Langan Project No. 170281401

LANGAN

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1.0 EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Silvercup Properties, LLC (the "User") for the property located at 27-21 44th Drive and 44-18 Purves Street ("Subject Property") in Queens, New York. The Subject Property occupies Tax Block 268, Lots 4, 22, and 23 in the Long Island City neighborhood of the borough of Queens. This Phase I ESA was performed in support of potential acquisition of the Subject Property.

The Subject Property is located in an urban area characterized by commercial and manufacturing buildings and vacant land on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west. The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

Based on a previous investigations conducted at the Subject Property, groundwater depth ranges from approximately 5 to 10 feet below grade surface (bgs). Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 175 feet north of the Subject Property.

This Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Practice E1527-05 and E1527-13 (Standard Practice for ESA: Phase I ESA Process), and the United States Environmental Protection Agency's (USEPA) 2006 All Appropriate Inquiry (AAI) Rule (40 CFR Part 312) now in effect. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report follows the current ASTM 1527-13 terminology. Completion of a Phase I ESA in accordance with the ASTM Practice and AAI Rule is needed to qualify for the bona fide prospective purchaser liability protections available under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a recognized environmental condition (REC).

The Phase I ESA identified the following RECs, de minimis conditions, and other environmental concerns associated with the Subject Property:

REC 1 – Historic Site Use

Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lots 22 and 23 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, Lot 22 is shown as welding and repairs with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances. Leaks, spills, or discharges of solvents, petroleum products, polychlorinated biphenyls (PCB), metals and/or other hazardous substances used at the historic facilities may have adversely impacted soil, groundwater, and/or soil vapor.

REC 2 – Documented Site Contamination

Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum volatile organic compounds (VOC) were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater. Onsite PCE groundwater concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22.

REC 3 – NYSDEC Spill and Potential On-Site Underground Storage Tank

A gasoline underground storage tank (UST) is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and previous reports indicate the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 1302045 was assigned.

REC 4 – Surrounding Property Use

Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works,

drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. Voluntary Cleanup Program and Brownfield Cleanup Program sites with documented soil and groundwater contamination were identified on surrounding properties. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Leaks, spills, or discharges of solvents, petroleum products, and/or other hazardous substances associated with surrounding property use may have adversely impacted groundwater and/or soil vapor beneath the Subject Property.

De Minimis Condition

Staining was observed on the Lot 4 building office and basement floor and the garage/warehouse walls and floor. The concrete floor slab beneath each area of staining appeared to be competent and significant subsurface impact is unlikely.

Non-ASTM Environmental Concerns

The building was constructed in the 1930s, potentially with materials that contain asbestos, lead-based paint, or polychlorinated biphenyls (PCBs). In addition, the building contained fluorescent light ballasts, which may contain PCBs.

No Historic RECs (HRECs) or Controlled RECs (CRECs) were identified.

2.0 INTRODUCTION

Langan was retained by Silvercup Properties, LLC (the "User") to prepare a Phase I Environmental Site Assessment (ESA) for the property located at 27-21 44th Drive and 44-18 Purves Street ("Subject Property") in Queens, New York. The Subject Property occupies Tax Block 268, Lots 4, 22, and 23 in the Long Island City neighborhood of the borough of Queens. This Phase I ESA was performed in support of potential acquisition of the Subject Property by Silvercup Properties, LLC.

The purpose of this ESA is to accomplish the following:

> (1) Identify Recognized Environmental Conditions (RECs) in connection with the Subject Property, as defined in The Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
>
> (2) Be consistent with the criteria of United Stated Environmental Protection Agency 40 CFR Part 312 Subpart C Standards and Practices §312.20 All Appropriate Inquiries.

2.1 Scope of the ESA

This ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-13. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-13 are noted in Section 9.0 of this report. In general, the scope of this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable information and environmental data relating to the Subject Property; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing

persons knowledgeable about the Subject Property; and conducting a site inspection. The specific scope of this assessment included the following:

1. A site reconnaissance to inspect on-site conditions and assess the Subject Property and surrounding property uses and natural surface features. Photographs taken as part of the site reconnaissance are provided in Appendix A.
2. A review of the responses to a User/Client Questionnaire. The completed Questionnaire is provided in Appendix B.
3. A review of a previous environmental report for the Subject Property. The report is provided in Appendix C.
4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distance. The environmental database report was provided by Environmental Data Resources, Inc. (EDR), and is included in Appendix D.
5. Filing of Freedom of Information Act (FOIA) requests with federal, state, and local agencies. Copies of the FOIA requests are included in Appendix E.
6. A review of New York City Department of Buildings (NYCDOB) records, zoning resolutions and a Planning Commission Zoning Map. Available NYCDOB records and the Zoning Map are included in Appendices F and G, respectively.
7. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.
8. A review and interpretation of aerial photographs, Sanborn Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and in the vicinity of the Subject Property. Copies are included in Appendices H, I, J and K, respectively.
9. A review of an Environmental Lien search for the Subject Property. A copy of the environmental lien search report is included as Appendix L.
10. A review of published radon occurrence maps to evaluate whether the Subject Property is located in an area with a propensity for elevated radon levels.

2.2 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for the User for the property at 27-21 44th Drive and 44-18 Purves Street (Tax Block 268, Lots 4, 22, and 23) in Queens, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this

report for any property other than the Subject Property addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 2.1, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in the ASTM Standard E 1527-05 and E1527-13. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report follows the current ASTM 1527-13 terminology. Sampling (e.g. soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

This Phase I ESA was not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs at the Subject Property. It should be understood that even the most comprehensive Phase I ESA may fail to detect environmental liabilities at a particular Subject Property. Therefore, Langan cannot "insure" or "certify" that the Subject Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by our client, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-05 and E1527-13 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

3.0 SITE DESCRIPTION

3.1 Location and Description

The Subject Property is located at 27-21 44th Drive and 44-18 Purves Street and occupies Tax Block 268, Lots 4, 22, and 23 in Queens, New York. The Subject Property is located in the Long Island City neighborhood of the borough of Queens on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west. The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. A Site location Map is included as Figure 1. Site reconnaissance photographs are presented in Appendix A.

Based on observations of the surrounding area during the site reconnaissance, the Subject Property is located in an urban area primarily characterized by commercial and manufacturing buildings and vacant land. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

Based on a previous investigations conducted at the Subject Property groundwater depth ranges from approximately 5 to 10 feet below grade surface (bgs). Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 175 feet north of the Subject Property.

3.2 Description of Site Improvements

Improvements at the Subject Property are summarized in the following table:

SITE IMPROVEMENTS	
Size of the Subject Property	Lot 4: 9,600 square feet; Lot 22: 2,500 square feet; Lot 23: 2,500 square feet
Buildings/Spaces/Structures	Lot 4: 1-story commercial building with warehouse/garage and full basement; Lots 22 and 23: vacant
Surface Water	Surface water is not located on the Subject Property.

SITE IMPROVEMENTS	
Potable Water Source	New York City
Sanitary and Storm Sewer Utilities	New York City
Electrical Utilities	Con Edison
Construction Completion Date	Circa 1931
General Construction Type	Brick and concrete masonry
Cooling and Ventilation System Type	Window air conditioning and ventilation fans.
Heating System Type	Wall-mounted electric heating units
Emergency Power	N/A

3.3 Title Records

Langan researched ownership records for the Subject Property at the Automated City Register Information System (ACRIS) website (http://www.nyc.gov/html/dof/html/jump/acris.shtml). Available deed information is listed in the following table:

Block 268, Lot 4		
Date	**First Party**	**Second Party**
9/14/2011	Electric Realty Company, LLC	44 LIC LLC
9/14/2011	Electric Realty Company, LLC	44 LIC LLC
2/29/2000	Eagle Electric Manufacturing	Electric Realty Company, LLC
10/8/1971	Latouraine Bickfords Foods Inc.	Eagle Electric Mfg Co Inc.
Block 268, Lot 22		
Date	**First Party**	**Second Party**
7/18/2013	4418 Purves LLC	44 LIC LLC
2/3/2010	Parisi Roth LLC	4418 Purves LLC

Block 268, Lot 22 (continued)		
Date	**First Party**	**Second Party**
11/21/2007	Purves Studios LLC	Parisi Roth LLC
7/11/2007	Purves Studios LLC	Parisi Roth LLC
3/9/2007	Purves Studios LLC	Thomson Purves, LLC
7/27/2001	Sara Garden Armstrong	Purves Studios LLC
6/16/2000	Alkeda Corp	Armstrong, Sara Garden
5/2/1998	Weiss, Kurry	Alkeda Corp
Block 268, Lot 22		
Date	**First Party**	**Second Party**
7/18/2013	4418 Purves LLC	44 LIC LLC
2/3/2010	Parisi Roth LLC	4418 Purves LLC
11/14/2007	Parisi, Dino	Parisi Roth LLC
7/11/2007	Parisi, Dino	Parisi Roth LLC
6/6/2006	Lonschein (Referee, Richard	Parisi, Dino
3/13/2001	Coleman, James	Plaza Homes LLC
9/4/1985	Coleman, Alyce M	Coleman, James W
11/29/1976	Welsh Alice Extrix Of	Alyce M Coleman
12/19/1974	Woodwhi Corporation	Alyce M Coleman

The use of the Subject Property (Lot 4) as an electric manufacturing facility between 1971 and 2011 is considered a REC.

4.0 USER PROVIDED INFORMATION

4.1 User Questionnaire and Owner/Operator Questionnaires

As per ASTM E1527-13, a questionnaire was provided to the User in order to obtain specialized User knowledge. Mark Gold, Principal with Silvercup Properties, LLC, completed the User questionnaire. Mr. Gold indicated that he is not aware of environmental leins or activity and use limitations filed against the property. Additionally, Mr. Gold is not aware of specialized knowledge about the property and believes the property reasonably represents the fair market value. Mr. Gold indicated that he is aware of past uses, chemicals present at the property, and spills and provided a previous environmental report that provided additional detail. The completed questionnaire is included in Appendix B and the previous environmental report is included in Appendix C.

An owner/operator questionnaire was provided to the owner's representative during the Phase I site reconnaissance; however, the completed questionnaire was not completed at the time this Phase I report was finalized.

4.2 Previous Environmental Reports

One previous environmental report was available for review. The report is summarized below and included in Appendix C.

October 2013, Phase II Subsurface Investigation Report, prepared by Environmental Business Consultants (ECB)

The subsurface investigation was conducted to investigate environmental conditions identified in an October 2011 Phase I ESA prepared for Lot 4 by EBC and to investigate general environmental conditions on Lots 22 and 23. The report included a brief summary of the 2011 Phase I ESA which identified previous site uses as a photo chemical warehouse, garage with a gasoline tank, paper warehouse, metal plating, welding and repairs, leather goods. These previous site uses are considered a REC because of the potential impact to soil, groundwater and/or soil vapor at the Subject Property.

The Phase II investigation included collection and analysis of soil and groundwater samples. Observations and laboratory results are summarized by media type below.

- Soil – Petroleum staining and odor was identified in the vicinity of the underground tanks on southwestern side of Lot 4. Field screening with a photoionization detector (PID) found readings up to 300 ppm. Additionally, elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within one soil sample collected adjacent to the tanks; however, only n-propylbenzene was reported above New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (SCOs). Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned. Soil samples collected on lots 22 and 23 identified detections of chlorinated VOCs; however, chlorinated concentrations were below New York State's unrestricted use SCOs. Metals were not analyzed as part of this investigation.
- Groundwater – Chlorinated VOCs were identified in groundwater above New York State groundwater standards. Onsite PCE concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22. Additionally, several petroleum VOCs and SOVCs were identified above New York State groundwater standards in the vicinity of the tanks in Lot 4.

Documented soil and groundwater exceedances of New York State standards are considered a REC.

5.0 ENVIRONMENTAL RECORDS

A regulatory database search was provided by EDR and is included in Appendix C. The EDR report provides a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM E1527-13. Langan reviewed each environmental database on a record-by-record basis to evaluate whether the sites identified represent a potential for environmental impact to the Subject Property. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped due to inadequate address information. Any Orphan Sites that were identified by Langan within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in the discussion below.

The following table lists the number of sites identified in standard and additional environmental record databases, within the prescribed search radius and appearing in the EDR Report.

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
USEPA DATABASES			
National Priorities List (NPL)	1 Mile Radius	No	0
Delisted NPL	1/2 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS-NFRAP	1/2 Mile Radius	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (7/11/2013)	1 Mile Radius	No	3
RCRA Treatment, Storage, and Disposal Facilities (TSDF)	1/2 Mile Radius	No	0
RCRA Generators (7/11/2013)	Subject Property and Adjoining	No	0
FINDS	Subject Property	No	0
Environmental Response Notification System (ERNS)	Subject Property	No	0

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
Engineering Controls (EC) Sites Lists	Subject Property	No	0
Institutional Controls (IC) Sites Lists	Subject Property	No	0
NYSDEC DATABASES			
Hazardous Waste Disposal Sites (SHWS) (11/13/2013)	1 Mile Radius	No	14
Hazardous Substance Waste Disposal Site Inventory (HSWDS)	1/2 Mile Radius	No	0
Solid Waste or Landfill Facilities (SWF/LF) (10/8/2013)	1/2 Mile Radius	No	2
Leaking Storage Tanks (LTANKS) (9/25/2013)	1/2 Mile Radius	No	45
SPILLS Information Database (NY SPILLS) (9/25/2013)	1/8 Mile Radius	No	17
EC Sites Lists	Subject Property	No	0
IC Sites Lists	Subject Property	No	0
NY Voluntary Cleanup Program (VCP) (11/13/2013)	1/2 Mile Radius	No	3
Brownfields (11/13/2013)	1/2 Mile Radius	No	2
Solid Waste Disposal Sites Registered Recycling Facility List (SWRCY)	1/2 Mile Radius	No	0
Chemical Bulk Storage (CBS) Underground storage tank (UST) and aboveground storage tanks (AST) Databases	Subject Property and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases	Subject Property and Adjoining	No	0
Registered and Historical Drycleaners (DRYCLEANERS) (10/17/2013)	1/4 Mile Radius	No	1
Petroleum Bulk Storage Facilities (PBS) UST and AST Databases	Subject Property and Adjoining	Yes	0
EDR (PROPRIETARY) DATABASES			
EDR Former Manufactured Gas Plant (MGP) Sites	1 Mile Radius (N/A)	No	0

N/A Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM E1527-13.

A description of the reviewed databases is provided in the EDR Report (Appendix D). A summary of sites identified within the prescribed search area is presented below:

5.1 Federal Agency Database Findings

No NPL, Delisted NPL, CERCLIS and CERCLIS-NFRAP, RCRA Generators, RCRA TSDF, EC, IC, FINDS or ERNS sites were listed within their respective minimum search distances as specified by ASTM E1527-13. Information regarding other sites located on the Federal Agency database within the search radius of the Subject Property is provided below.

CORRACTS

CORRACTS is a list of handlers with RCRA Corrective Action Activity. Three CORRACTS sites were identified within the search criteria. Based on distance from the Subject Property (over 3,000 feet), the sites are not considered RECs.

5.2 State Agency Database Findings

No HSDWS, SWRCY, EC, IC, PBS UST and AST, CBS UST and AST, or MOSF listings were identified within their respective minimum search distances as specified by ASTM E1527-13. Information regarding other sites located on State agency databases within the search radius of the Subject Property is provided below.

SHWS

The State Hazardous Waste Sites (SHWS) records are states' equivalent to CERCLIS. The SHWS database in maintained by the NYSDEC. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup will be paid for by potentially responsible parties. Fourteen sites within one mile of the Subject Property were identified on the SHWS list; however, all sites are located more than 1,700 feet from the Subject Property and are not considered RECs.

Solid Waste or Landfill Facilities

The Solid Waste Facilities/Landfill (SWF/LF) database is an inventor of solid waste disposal facilities or landfills in a particular state. The Subject Property was not included in the SWF/LF database. Two SWF/LF facilities were identified within a ½-mile radius; however, they are located more than 1,800 feet from the Subject Property and are not considered RECs.

Leaking Storage Tanks Database

The Leaking Storage Tanks (LTANKS) database contains an inventory of reported leaking storage tank incidents, including leaking USTs and ASTs. The primary causes of the LTANK

incidents include tank test failures, tank failures, and tank overfills. As per ASTM E1527-13, the approximate minimum search distance required for LTANK incidents is within ½ mile of the Subject Property. The Subject Property was not listed in the LTANK/HIST LTANK database; however, 45 LTANK incidents were identified at other properties within a ½-mile radius. Forty-three of the LTANK incidents are closed. One of open incidents is located more than 2,300 feet from the Subject Property and is not considered a REC. The remaining open incident is described below:

Site Name: Court Plaza

Site Address: 5 Court Square

Location: Approximately 650 feet west of the Subject Property

Description: Spill No. 1000528 was reported on April 13, 2010. A 2,000-gallon #2 fuel oil tank failed a tank test after oil was observed on water in subway tunnel directly underneath the site. Based on its close proximity to the Subject Property, this open LTANK incident is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Spills Database

The Spills database, maintained and updated by NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC. The Subject Property was not listed in the Spills database within the EDR report; however, a search of the online database identified an open spill at the Subject Property.

Site Name: Vacant Business Place

Site Address: 27-21 44th Place

Location: Subject Property

Description: Spill No. 1302045 was reported on May 29, 2013. The spill indicated an unknown amount of gasoline that affected soil and groundwater. The spill has not been closed. Based on the impact to soil and groundwater at the Subject Property, this spill is considered a REC.

Seventeen spills were identified within 1/8 mile of the Subject Property. Sixteen of the Spills incidents are closed. The remaining open incident is described below:

Site Name: Gasgo

Site Address: 27-01 Jackson Avenue

Location: Approximately 400 feet north of the Subject Property

Description: Spill No. 9913082 was reported on February 16, 2000 when contaminated soil was discovered during removal of ten underground storage tanks. Contaminated soil (698 tons) was removed and the spill was closed by NYSDEC. In May 2013, additional information was identified that indicated the potential for off-site migration of petroleum contamination that was unknown at the time of the spill closure. The spill number was reopened and remains open at the time this Phase I ESA was finalized. This incident is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

VCP

Voluntary Cleanup Agreements Program uses private monies to get contaminated sites remediated to levels allowing the sites' productive use. The Subject Property was not listed in the VCP database; however, three VCP sites were identified within the search criteria. Of the three site, two of the sites are located more than 1,600 feet from the Subject Property and are not considered RECs. The remaining VCP site is described below:

Site Name: Outlet City, Queens Blvd & Jackson Ave

Site Address: Queens Blvd & Jackson Ave

Location: Approximately 1,400 feet northeast of the Subject Property

Description: The 2.5- acre site is located on Jackson Avenue between Orchard Street to the east, Queens Boulevard to the west, and the Long Island Railroad yard to the south. The site is contaminated with creosote, petroleum, and solvents. Total VOCs were detected in groundwater up to 30,000 ppb. Creosote in the form of both light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) are present at the site. Based on the documented soil and groundwater contamination at this site and its proximity to the Subject Property, this site is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Brownfields

The Brownfields database is a list of contaminated sites enrolled in the New York State Brownfield Cleanup Program. The Subject Property was not listed in the Brownfields database. Two properties were identified in the database; however, one of the sites is located more than 2,400 feet from the Subject Property and is not considered a REC. The remaining Brownfield site is described below:

Site Name: Queens Plaza Residential Development

Site Address: 28-10 Jackson Avenue

Location: Approximately 1,000 feet east of the Subject Property

Description: The 0.5- acre site (a portion of the Outlet City development described in the VCP section above) had a release of approximately 5,000-gallons of creosote with extensive soil and groundwater contamination that includes the presence of LNAPL and residual DNAPL. This site is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Drycleaners

The NY Dry Cleaners database includes registered dry cleaning facilities in the State of New York. The Subject Property was not included in the NY DRYCLEANERS list; however, one NY Dry Cleaner was identified within 1/4-mile of the Subject Property and is described below:

Site Name: Top Star Fabricare

Site Address: 43-43 Queens Street

Location: Approximately 660 feet east of the Subject Property.

Description: No additional information was provided. Due to the lack of information and the close proximity to the Subject Property, the drycleaner is considered a REC as the potential leaks or spills of petroleum products, solvents and/or other hazardous materials typically found at these facilities may have adversely impacted groundwater and/or soil vapor at the Subject Property.

5.3 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted during the week of December 3, 2013 to the following federal, state, and local agencies via written correspondence:

- New York City Department of Environmental Protection (NYCDEP);
- New York City Department of Health (NYCDOH);
- New York City Fire Department (FDNY);
- New York State Department of Health (NYSDOH);
- NYSDEC; and

- USEPA, Region 2.

Responses have not yet been received. Should future responses alter the conclusions of this Phase I ESA, an addendum will be issued. Copies of the FOIA requests are included in Appendix E.

NYCDOB

Langan conducted a records search through the NYCDOB online query system on December 5, 2013. Copies of the NYCDOB property profile and COs are included in Appendix F. The following is a summary of findings.

Lot 4

Lot 4 has a Department of Finance classification of G2- Garage/Gas Station. A records search identified one building on the lot and the Certificate of Occupancy (CO) documents a one story garage and Buick factory. There are no open Environmental Control Board (ECB) violations related to the Subject Property. The classification of the Subject Property as a Garage/Gas Station is considered a REC.

Lot 22

The Subject Property has a Department of Finance classification of V1-Vacant Land. Certificate of Occupancy (CO) documents issued in 1957 indicates a one story factory and office building with cellar and boiler room. Boiler records indicate one boiler; however, the year of installation is unknown. There are no open Environmental Control Board (ECB) violations related to the Subject Property.

Lot 23

NYCDOB property profile was not found for this block/lot.

Zoning Department

According to the New York City Planning Commission Zoning Map 9b, the Subject Property is located in a M1-5/R9 manufacturing district. According to the zoning map and the list of City Environmental Quality Review Environmental Designations available on the New York City Department of City Planning website, the Subject Property is not listed with a restrictive E-Designation. A copy of the zoning map is provided in Appendix G.

5.4 Physical Setting Sources

5.4.1 Topography

The Subject Property is at an elevation of approximately 14 feet NGVD 1929, based on the USGS 7.5-series, Brooklyn, NY-NJ Topographic Quadrangle map, dated 1995. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

5.4.2 Geology

Geological surface features (e.g., rock outcroppings) were not observed at the Subject Property. Based on a review of the Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York and Parts of Bergen and Hudson Counties New Jersey, by Charles A. Baskerville (1994), the Site is underlain by bedrock of the Cambrian-Ordovician Hartland formation, which consists of inter-bedded mica schist, gneiss, and amphibolite. According to a geotechnical investigation conducted by Langan in the area, depth to bedrock is approximately 50 to 70 ft bgs. The general subsurface condition of the site consists of about 10 ft of fill, underlain by medium well graded sand with various amounts of silt, cobbles, and boulders, to the top of bedrock.

5.4.3 Hydrology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flow towards areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeological network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, utilities, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks. Based on a previous investigations conducted at the Subject Property groundwater depth ranges from approximately 5 to 10 feet bgs. Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. MTA subway tunnels border the Subject Property to the north underneath Jackson Avenue. The tunnels may provide a hydraulic barrier to groundwater flow originating north of the Subject Property.

Groundwater in New York City is not used as a potable water source. Potable water provided to the City of New York is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

5.5 Historical Use Information

Langan reviewed available historic resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1889 to 2011. Findings of the review are presented below.

5.5.1 Aerial Photographs

Langan reviewed aerial photographs of the Subject Property and surrounding areas for the years 1924, 1941, 1954, 1966, 1975, 1984, 1994-1995, 2006, 2008 – 2009, and 2011. The photographs indicate that the Subject Property has been located in a densely developed urban area and improved with a multiple-story building on Lot 22 since at least 1924. The 1941 map indicates the Subject Property is improved with one-story buildings on Lots 4 and 22. The 2008 photograph does not show the Subject Property. The building on Lot 22 is no longer identified in the 2009 photograph. Surrounding properties have been generally occupied by multiple-story buildings. The review of the aerial photographs did not reveal evidence of RECs. Copies of aerial photographs are included in Appendix H.

5.5.2 Sanborn Fire Insurance Maps

Langan reviewed Sanborn Maps for the Subject Property for the years 1889, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988, 1989, 1990-1996, 1999, and 2001-2006. Sanborn Maps constitute a database of prior uses of real property for many cities and towns in the United States. Copies of the maps are provided in Appendix I. A summary of the Sanborn Maps is presented on the following table.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1889	**Subject Property:** The Subject Property is located on the block identified as 194 and contains six lots; one contains a two-story residential building with basement. **Surrounding Area:** Surrounding properties are primarily multiple-story residential and commercial buildings, including material junk yards and the County Court House. The following REC was identified: • A garage is located at 15 Purves Street, approximately 50 feet east of the Subject Property.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1915	**Subject Property:** The Subject Property contains a total of three lots; one contains a two-story residential building with basement. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings including the County Court House, the Manhattan Steam Bakery, and American Express Co.. The following REC was identified: • A N.Y. Substation is located at the adjoining property to the east of the Subject Property.
1936	**Subject Property:** The Subject Property is on the block identified as Block 268 and is depicted as a garage with a gasoline tank (Lot 4) and a controller manufacturing facility (Lot 22). The two-story residential building is no longer shown on Lot 23. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings. The following RECs were identified: • A N.Y. Substation is located at the adjoining property to the east of the Subject Property; • A filling station with four gasoline tanks is located at the adjoining property to the west of the Subject Property; • An iron works is located at 44-12 Purves Street, approximately 40 feet north of the Subject Property; • A garage with a gasoline tank is located at 44-33 Purves Street, approximately 100 feet east of the Subject Property; • A garage with a gasoline tank is located at 26-36 Jackson Avenue, approximately150 feet northeast of the Subject Property; • A gasoline tank is located at 44-25 Purves Street; approximately 75 feet east of the Subject Property; • A manufacturer of bottles is located at 28-31 Thomson Avenue, approximately 150 feet south of the Subject Property; • A laundry facility is located at 27-01 Jackson Avenue, approximately 225 feet northeast of the Subject Property; • A printing facility is located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1947	**Subject Property:** The Subject Property is depicted as paper warehouse (Lot 4) and a controller manufacturing facility (Lot 22), a building identified as "stage" is located on Lot 23. Lot 4 is also identified as a photo chemical warehouse. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings. The following RECs were identified: • An iron works is located at the adjoining property to the east of the Subject Property; • A filling station with four gasoline tanks is located at the adjoining property to the west of the Subject Property; • A chemical lab is located at the adjoining property south of the Subject Property; • A contractors yard with two gasoline tanks is located at the adjoining property to the south of the Subject Property; • A contractors yard with a gasoline tank is located at 44-17 Purves Street, approximately 50 feet east of the Subject Property; • A manufacturer of welding equipment is located at 26-26 Jackson Avenue, approximately 100 feet northeast of the Subject Property; • A manufacturer of printing inks is located at 44-23 Purves Street, approximately 50 feet east of the Subject Property; • A garage and disinfectant warehouse is located at 43-30 Dutch Kills, approximately 150 feet east of the Subject Property;
1950	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** Surrounding properties are generally unchanged.
1970	**Subject Property:** The Subject Property contains a building depicted as commercial/manufacturing (Lot 4), a multi-story welding facility (Lot 22) and a vacant lot (Lot 23). Lot 23 is now depicted as a portion of a larger lot. **Surrounding Area:** The surrounding area remains primarily unchanged, the northern adjoining properties are now depicted as a junk yard and parking, the southern adjoining property is now a paper facility and no longer contains gasoline tanks. The following REC was identified: • A filling station is located at 27-01 Jackson Avenue, approximately 320 feet northeast of the Subject Property;
1977,1979	**Subject Property:** The Subject Property is unchanged with the exception of Lot 4 is now depicted as an auto body shop. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the chemical lab located at the adjoining property to the south is now an auto repair shop.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1980, 1985, 1986	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the filling station with four gasoline tanks located at the adjoining property to the west is now depicted as an auto repair and parking facility and no longer contains the tanks.
1988-1996	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of Eagle Electric Manufacturing Company located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property. The junk yard located on the adjoining property to the north is no longer labeled.
1999	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the adjoining property to the north is now depicted as a warehouse and an oil burner utility company is located at 44-39 Purves Street, approximately 140 feet southeast of the Subject Property.
2001-2006	**Subject Property:** The Subject Property is unchanged with the exception of Lot 23 is now labeled as storage. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the gasoline tank located at 44-17 Purves Street is no longer shown.

Langan's Sanborn Map review revealed that the Subject Property was developed with a two-story residential building with a basement as early as 1889. In 1936, the Subject Property included a garage with gasoline tank (Lot 4) and a manufacturer of controllers (Lot 22). Between 1947 and 1950 Lot 4 was a paper warehouse and photo chemical warehouse. Lot 22 has been a welding and repair facility since 1970. Lot 4 has been an auto body shop since 1977. Lot 23 has been a storage facility since 2001. The use of the Subject Property as a garage, manufacturer, photochemical warehouse, and auto body shop are considered RECs. Potential spills or leaks of petroleum products, solvents, or other hazardous substances at the above facilities may have adversely impacted groundwater and/or soil at the Subject Property. Surrounding properties have been primarily occupied by manufacturing, commercial, residential and office buildings.

The following RECs were identified on surrounding properties:

- Gasoline storage was located at the following properties:
    - 27-17 Thomson Avenue from 1936 to 1979;
    - 44-33 Purves Street, approximately 100 feet east of the Subject Property since 1936;
    - 44-25 Purves Street, approximately 75 feet east of the Subject Property in 1936;

  - 26-36 Jackson Avenue, approximately 150 feet northeast of the Subject Property in 1936;
  - 28-11 Thomson Avenue (adjoining property to the south) from 1947 to 1950;
  - 44-17 Purves Street, approximately 50 feet east of the Subject Property in 1947 to 1999;
  - 27-01 Jackson Avenue, approximately 320 feet northeast of the Subject Property since 1970.
- A N.Y. Substation was located at 44-13 Purves Street (adjoining property to the east) between 1915 and 1936;
- A printing facility was located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property in 1936;
- Iron works were located at the following properties:
  - 44-12 Purves Street, approximately 40 feet north of the Subject Property in 1936;
  - 44-19 Purves Street (adjoining property to the east) between 1947 and 1950
- A laundry facility was located at 27-01 Jackson Avenue, approximately 225 feet northeast of the Subject Property in 1936;
- A chemical lab was located at 27-33 44th Drive (adjoining property to the south) from 1947 to 1970;
- An oil burning utility company was located at 44-39 Purves Street, approximately 150 feet southeast since 1999;
- Manufacturing facilities were located at the following properties:
  - 28-31 Jackson Avenue, approximately 150 feet south of the Subject Property in 1936;
  - 26-26 Jackson Avenue, approximately 100 feet northeast of the Subject Property;
  - 44-23 Purves Street, approximately 50 feet east of the Subject Property, from 1947 to 1999;
- Garages/Auto Repair facilities were located at the following properties:
  - 15 Purves Street, approximately 50 feet east the Subject Property in 1989
  - 43-30 Dutch Kills, approximately 150 feet east of the Subject Property in 1947;
  - 27-33 44th Drive (adjoining property to the south) from 1977;
  - 27-17 Thomson Avenue (adjoining property to the west) from 1980.

5.5.3 Historical USGS Topographic Quadrangles

Langan reviewed historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Subject Property. Quadrangle maps were available for the Subject

Property for the years 1897, 1900, 1924, 1947, 1956, 1966, 1967, 1979, and 1995. Based on a review of the historic topographic maps, the Subject Property was developed within a densely developed urban area as early as 1897. The Dutch Kills Creek is located approximately 1,300 feet southeast of the Subject Property and the East River is located approximately 4,250 feet west of the Subject Property. The Long Island Railroad tracks are located approximately 300 feet southeast of the Subject Property. The review of historic topographic maps did not reveal evidence of RECs. Copies of the topographic maps are provided in Appendix J.

5.5.4 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1922 through 2013. A copy of the City Directory Abstract is provided in Appendix K. The Subject Property was listed in the directory for several commercial businesses including an auto repair, garage, professional boxing and car rental facilities between 1934 and 2013.

Surrounding property listings included various commercial and manufacturing businesses. An unidentified factory was listed at 44-19 Purves Street (adjoining property to the east) in 1945. A cleaning facility was listed at 44-24 Purves Street (adjoining property to the south) in 1934. . Based on the proximity of the facility to the Subject Property, the historical use as a cleaning facility constitutes a REC.

5.5.5 Environmental Lien Search

Langan contracted EDR to conduct an Environmental Lien search for the Subject Property. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AUL) associated with the Subject Property. A copy of the Environmental Lien Search is provided in Appendix L.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

The Site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to the adjoining and surrounding properties. The assessment of the adjoining and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures.

6.1.1 Date and Time of Inspection

The Site reconnaissance was performed at 7:30 am on December 10, 2013 by Jessica Alzamora of Langan. The weather at the time of the initial inspection is described as snowing and approximately 30°F. Ms. Alzamora was accompanied during the Site reconnaissance by Adam Jolly, a representative of the site owner.

6.2 General Site Setting and Reconnaissance Observations

The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. The sidewalk elevation along 44th Drive (western entrance of the building) was observed to be approximately 15 feet higher than the sidewalk elevation along Purves Street (eastern site boundary).

The building was vacant at the time of the inspection and in poor condition. Several areas of the building were observed to have deteriorated flooring, walls, and ceilings, including a loft located on the north side of the building, which was inaccessible due to deteriorated flooring. The roof was also inaccessible at the time of the inspection.

The basement was approximately 15 feet tall and had painted brick walls, fluorescent lighting and concrete floors. Wall-mounted, electric heating units, window fans and air-conditioning units were observed in the building. Portions of the concrete flooring appeared to be in poor condition. Approximately ten one-gallon paint containers, one five-gallon container of cement, and five one-quart containers of enamel and cleaners were observed at the time of the inspection. Staining was observed on the concrete flooring in the vicinity of the containers, however the concrete appeared to be in good condition at these location. Floor drains were not

observed. A water heater and a broken water pipe were leaking along the southern wall of the basement. An out-of-service coal boiler was identified in the basement near the northern wall.

The first floor of the building contains a lobby area and office. Finishing materials include 12-inch by 12-inch floor tiles and carpet, painted brick walls with wood panels, and drop ceilings with fluorescent lighting. There was debris throughout the office building.

The loft and roof were not accessible at the time of the inspection. The loft flooring was in poor condition with visible deterioration. A review of aerial photographs of the building indicates the roof is coated with a tar compound and contains two units located on the north side of the building and a skylight.

Pits, Ponds, Lagoons

Langan did not observe pits, ponds, or lagoons on the Subject Property.

Pools of Liquid

Liquid was observed in the basement of the building due to a broken water pipe. The water is seen to drain to a nearby room that was full of debris and the flooring was not visible.

Storm Drains, Wells, and Cisterns

Storm drains, wells, and cisterns were not observed at the Subject Property.

Polychlorinated Biphenyl (PCB) Transformers and Suspect Equipment

Fluorescent lighting ballasts observed throughout the Subject Property may contain PCBs. Other suspect PCB-containing equipment was not observed.

Storage Containers, Drums, and Chemical Storage Areas

Approximately ten one-gallon paint containers, one five-gallon container of cement, and five one-quart containers of enamel and cleaners were observed in the basement. Staining was observed on the concrete flooring in the vicinity of the containers, however the concrete appeared to be in good condition.

Air Emissions or Wastewater Discharges

Air emissions or wastewater discharges were not observed on the Subject Property.

Sumps

A sump was observed in the basement of the building. No staining was observed in the location of the sump.

USTs or ASTs

USTs or ASTs were not observed at the Subject Property, however, a patch of concrete and evidence of previous environmental borings were observed in the area where a potential UST is presumed to be located near the western wall of the basement.

Monitoring Wells or Remedial Activities

Several monitoring wells were observed at the Subject Property, five of wells were installed by Langan as part of the concurrent environmental investigation, and two from previous investigation work at the Subject Property.

Stained or Discolored Soil

Stained or discolored soil was not observed at the Subject Property.

Leachate or Seeps

Leachate or seeps were not observed at the Subject Property.

Adjoining and Surrounding Property Uses

The Subject Property is adjoined by Purves Street followed by a two-story commercial building identified as "Sculpture Center" to the east; vacant lots to the south; 44th Drive followed by a one-story garage identified as "Global Auto Electric d/b/a Manny Auto Electric" to the west; and a two-story commercial building identified as "JME Enterprises, Inc." and "L.I.C Auto Repair" and a one-story commercial building identified as "Queens Plaza Automotive Warehouse" to the north. An active filling station was identified at the northeast corner of the intersection of 43rd Avenue and Jackson Avenue, approximately 275 feet northeast of the Subject Property. The surrounding area is primarily comprised of multiple-story retail, commercial, manufacturing, and vacant land.

Site Reconnaissance Conclusions

The following REC was identified on the Subject Property:

- UST – A suspect gasoline UST is located near the west wall in the basement of the building. Leaks or spill of petroleum products associated with the UST has the potential to adversely impact groundwater and/or soil vapor at the Subject Property.

The following RECs were identified on surrounding properties:

- Auto repair facilities identified as "JME Enterprises, Inc." /"L.I.C Auto Repair" and "Queens Plaza Automotive Warehouse" adjoin the property to the north;
- A filling station was observed at 27-19 43rd Avenue, approximately 275 feet of the Subject Property.

Based on the close proximity to the Subject Property, these facilities have the potential to adversely impact groundwater and/or soil vapor at the Subject Property and are considered RECs.

The following are considered additional (non-ASTM) environmental concerns:

- Based on the ages of the building, ACM, LBP, and PCB may be present in building materials;
- Water infiltration observed in the building creates the potential for mold growth

The following are considered de minimis conditions:

- Staining was observed on the concrete floor in the first floor office and garage/warehouse and near the east entrance in the basement; however, the concrete in these locations appeared to be in good condition. The staining is therefore considered a de minimis condition.

7.0 INTERVIEWS

7.1 Site Owner/ User

A owner questionnaire was provided to Adam Joly, a representative of the site owner, during the site reconnaissance on December 10, 2013. The questionnaire was not completed by the time this report was finalized.

A User questionnaire was provided to Mark Gold, Principle of Silvercup Properties, LLC. The completed questionnaire was received on December 31, 2013 and is discussed in further detail in Section 4.1. The completed questionnaire is included in Appendix B.

7.2 Site Occupants

The Subject Property is currently vacant.

7.3 Owners/Tenants of Adjacent Properties

Owners/tenants of adjacent properties were not interviewed as part of this Phase I ESA.

8.0 ADDITIONAL SERVICES

8.1 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

According to the USEPA radon map, Queens is considered a Zone 3 area, which indicates the predicted average indoor radon levels are less than 2 picoCuries per liter (pCi/L). The NYSDOH maintains a database of radon test results on a local and county level. According to the NYSDOH, a total of 413 radon tests have been conducted in New York County with results indicating that 0.3 % of living areas and 3% of basements have radon concentrations above 4 pCi/L, the USEPA action level. According to the NY Radon database as reported in the EDR Radius Map Report, a total of 81 radon tests have been conducted in Queens County with an average radon level of 0.6205 pCi/L for living area and 0.970 pCi/L for basement. Based on this data, it is unlikely that elevated levels of radon gas are present at the Subject Property.

8.2 Asbestos-Containing Material, Lead-Based Paint, and PCBs

A formal survey to identify ACM, LBP and/or PCB-containing material was not conducted as part of this Phase I ESA. The building was constructed in the 1930s, potentially with building materials that contain ACM, LBP, or PCBs. In addition, the building contained fluorescent light ballasts, which can contain PCBs. These materials should be identified and handled appropriately prior to any demolition or renovation activities at the Subject Property.

9.0 DEVIATIONS AND DATA GAPS

9.1 Deviations

Langan has performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E 1527-05 and E1527-13. Significant deviations were not made to the above referenced standards.

9.2 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to ASTM E 1527-13, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion."

This Phase I ESA was completed without data gaps, with the exception that responses to all FOIA requests have not been and interviews with the site owner and adjacent property owners were not conducted. Sufficient information has been provided from other data sources to render conclusions regarding the presence of RECs at the Subject Property. As such, this data gap is not expected to impact the overall conclusions of the Phase I. Should additional information provided in the FOIA responses alter the conclusions of this Phase I ESA, we will issue an addendum to this report.

10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was conducted in accordance with the ASTM Practice E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a REC.

The Phase I ESA identified the following RECs, de minimis conditions, and other environmental concerns associated with the Subject Property:

REC 1 – Historic Site Use

Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lots 22 and 23 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, Lot 22 is shown as welding and repairs with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances. Leaks, spills, or discharges of solvents, petroleum products, polychlorinated biphenyls (PCB), metals and/or other hazardous substances used at the historic facilities may have adversely impacted soil, groundwater, and/or soil vapor.

REC 2 – Documented Site Contamination

Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum volatile organic compounds (VOC) were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater. Onsite PCE groundwater concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22.

REC 3 – NYSDEC Spill and Potential On-Site Underground Storage Tank

A gasoline underground storage tank (UST) is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and previous reports indicate the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and

elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 1302045 was assigned.

REC 4 – Surrounding Property Use

Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works, drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. Voluntary Cleanup Program and Brownfield Cleanup Program sites with documented soil and groundwater contamination were identified on surrounding properties. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Leaks, spills, or discharges of solvents, petroleum products, and/or other hazardous substances associated with surrounding property use may have adversely impacted groundwater and/or soil vapor beneath the Subject Property.

De Minimis Condition

Staining was observed on the Lot 4 building office and basement floor and the garage/warehouse walls and floor. The concrete floor slab beneath each area of staining appeared to be competent and significant subsurface impact is unlikely.

Non-ASTM Environmental Concerns

The building was constructed in the 1930s, potentially with materials that contain asbestos, lead-based paint, or polychlorinated biphenyls (PCBs). In addition, the building contained fluorescent light ballasts, which may contain PCBs.

No Historic RECs (HRECs) or Controlled RECs (CRECs) were identified.

11.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

(1) Environmental Data Resources, Inc. December 2, 2013. Aerial Photo Decade Package.

(2) Environmental Data Resources, Inc. December 2, 2013. City Directory Abstract.

(3) Environmental Data Resources, Inc. December 9, 2013. Environmental Lien Search.

(4) Environmental Data Resources, Inc. December 2, 2013. Historical Topographic Map Report.

(5) Environmental Data Resources, Inc. December 2, 2013. Radius Map with GeoCheck.

(6) Environmental Data Resources, Inc. December 2, 2013. Sanborn Map Report.

(7) Environmental Protection Agency, USEPA Map of Radon Zones

(8) New York City Department of Buildings, Building Information System, http://www.nyc.gov/html/dob/html/bis/bis.shtml, retrieved December 5, 2013.

(9) New York City Planning Commission. Zoning Map 9b.

(10) City Online Register, http://www.nyc.gov/html/dof/html/jump/acris.shtml, retrieved December 5, 2013.

(11) NYCityMap, http://gis.nyc.gov/doitt/nycitymap/

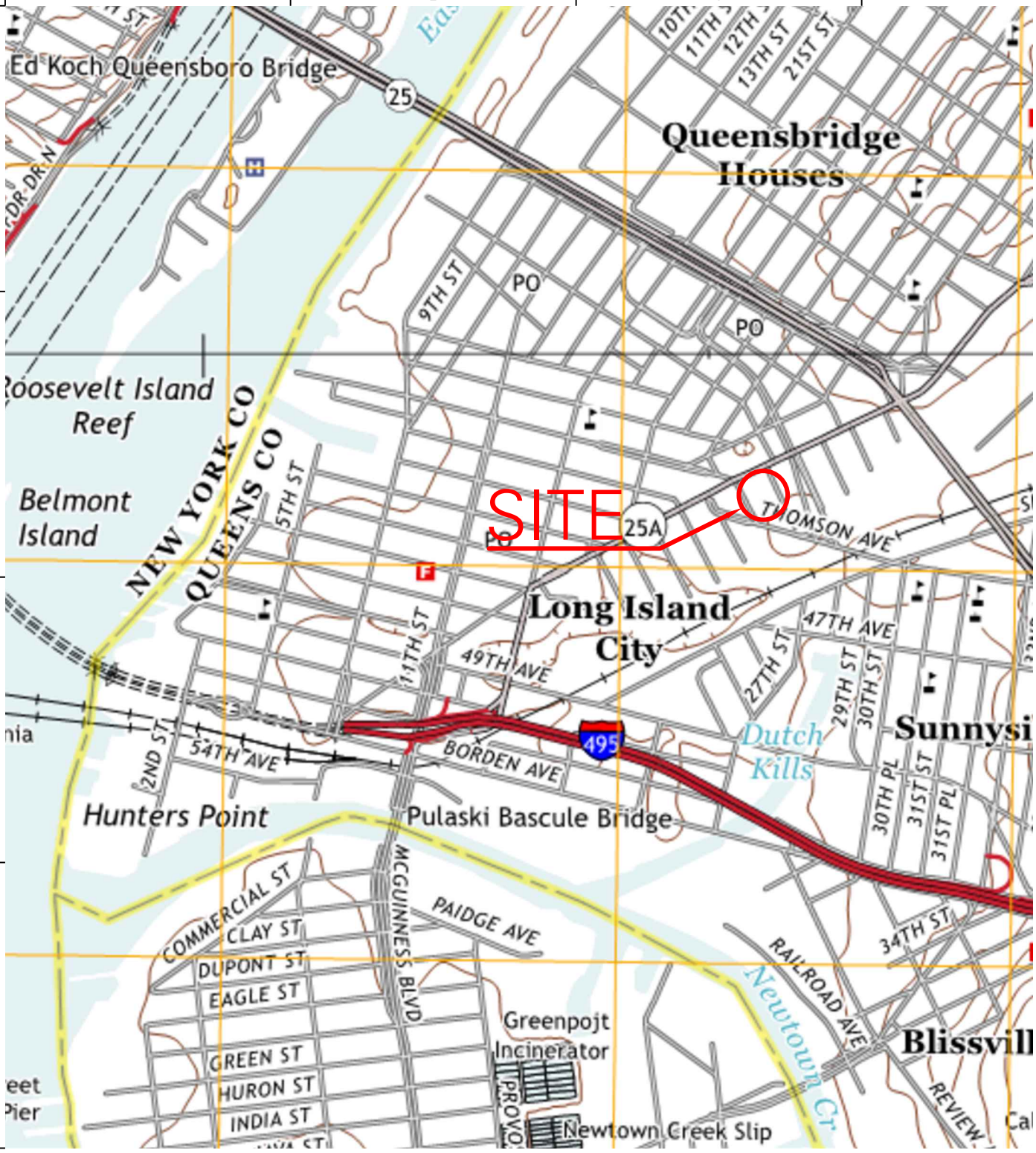
12.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES

Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Properties. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix L.

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Jason Hayes, P.E., LEED AP
Associate

FIGURES



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

NOTE: BASE MAP FROM USGS "BROOKLYN QUADRANGLE" 7.5-MINUTE SERIES QUADRANGLE MAP, DATED JULY 2007.

LANGAN

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

Project	27-21 44TH DRIVE, 44-18 PURVES STREET BLOCK No. 268, LOT Nos. 4, 22, 23 QUEENS NEW YORK
Drawing Title	SITE LOCATION PLAN
Project No.	170281401
Date	12/13/2013
Scale	N.T.S.
Drawn By	JPA
Submission Date	–
Drawing No.	1
Sheet	1 of 2

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\SheetFiles\Environmental\Phase I\Figure 1 - Site Location Plan.dwg Date: 12/13/2013 Time: 12:06 User: jalzamora Style Table: Langan.stb Layout: ANSIA-BP

APPENDIX A- SITE RECONNAISSANCE PHOTOGRAPHS

Appendix A - Site Reconnaissance Photographs
Phase I Environmental Site Assessment
27-21 44th Drive and 44-18 Purves Street
Queens, New York
Langan Project No. 170281401

Photo 1: View of Site facing east, from 44th Drive

Photo 2: View of Site facing west, from Purves Street.

Photo 3: View of vacant garage/warehouse located in the southern portion of the building on the Subject Property, facing northeast.

Photo 4: View of window ventilation and florescent light fixtures, typical.

Photo 5: View of heating units and damaged ceilings, typical.

Photo 6: View of metal plate in flooring of garage/warehouse section of the building.

Photo 7: View of water heater in garage/warehouse building.

Photo 8: View of stained walls and flooring in the garage/warehouse section of the building.

Photo 9: View of sink and stained flooring in the office building

Photo 10: View of leaking water pipe and pooled water in basement of building along western wall.

Photo 11: View of sump in basement of building.

Photo 12: View of basement.

Photo 13: View of chemicals identified in the basement near the eastern entrance of the building.

Photo 14: View of patched concrete in location of historical UST in basement.

Photo 15: View of out-of-service coal boiler near northern portion of basement.

Photo 16: View of possible former UST fill port location on sidewalk of 44th Drive.

Photo 17: View of eastern adjoining properties, facing east.

Photo 18: View of southern adjoining properties, facing southeast from 44th Drive.

Photo 19: View of western adjoining property, facing west on 44th Drive.

Photo 20: View of northern adjoining property, facing northeast from 44th Drive.

Photo 21: View of northern adjoining property, facing north from Purves Street.

APPENDIX B- USER QUESTIONNAIRE

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ASTM PRACTICE E 1527-13: USER/CLIENT QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), 188 the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by the EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquires" is not complete.

General Information

User/Client Name (s): SILVERCUP PROPERTIES LLC

Property Name: 44TH-PURVES LIC

Address: 27-21 44TH DRIVE, LONG ISLAND CITY, NY, 11101

QUEENS BLOCK 268, LOTS 4, 22, 23

Property Type: VACANT BUILDING AND VACANT LAND

Type of Property Transaction:

- Purchase of property ☒
- Financing of property ☐
- Sale of property ☐
- Ground Lease ☐
- Build to Suit Lease ☐
- Other_____

Reason Why Phase I ESA is required: ENVIRONMENTAL DUE DILIGENCE

Site Contact (s): MARK GOLD

Required Information

The citation at the end of each item (e.g. 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item.

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Yes	No
☐	☒

Did a search of recorded land title records (or judicial records, where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

Note 1 – In certain jurisdictions, federal, tribal, state or local statutes or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

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	Yes	No
(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	☐	☒
(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	☐	☒
(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).	**Yes**	**No**
(a.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? [If no, proceed to Part 5.]	☒	☐
(b.) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	☐	☐
(5.) Commonly known or reasonably known or reasonably ascertainable information about the property (40 CFR 312.30).	**Yes**	**No** report attached
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,	☒	☐
(a.) Do you know the past uses of the property?	☒	☐
(b.) Do you know of specific chemicals that are present or once were present at the property?	☒	☐
(c.) Do you know of spills or other chemical releases that have taken place at the property?	☒	☐
(d.) Do you know of any environmental cleanups that have taken place at the property?	☐	☒
(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).	**Yes**	**No**
Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?	☒	☐ report attached

SIGNATURE:

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Langan will evaluate and rely on this information in the development of the final Phase I ESA report.

Completed By: Mark Gold

Print/Type Name: MARK GOLD

Title: PRINCIPAL

Company: SILVERCUP PROPERTIES

Date: 12/31/2013

APPENDIX C- PREVIOUS ENVIRONMENTAL REPORT

27 - 21 44th Drive, Long Island City, Queens

Supplemental Due Diligence Materials

Brookfield Financial

Table of Contents

UST Clean-up Estimate

Phase II Subsurface Investigation Report

Disclaimer: *This information is considered Confidential Information as defined by the confidentiality agreement. Ownership and Broker are providing this data for informational purposes only and do not make any representations on the accuracy or completeness of these reports. You should not rely on these reports and you should consult with your own professionals on matters such as zoning, environmental, brownfields, phase I and phase II.*

UST Clean-up Estimate

Cost Estimate - Tank Removal and Remediation Conducted by Environmental Contractor Prior to Construction of New Building

	Rate	Units	Quantity	Cost
Permits	$2,500	Lump Sum	1	$2,500
Tank Removal (550 gal gas tank)*	$5,000	Lump Sum	1	$5,000
Waste Characterization Soil Sample	$1,200	per sample	1	$1,200
End Point Soil Samples	$250	per sample	5	$1,250
Contaminated Soil Excavation and Loading	$3,000	per day	1	$3,000
Soil Transportation and Disposal**	$45	per ton	140	$6,300
Pump Truck	$850	per day	1	$850
Gasoline Disposal	$1.50	per gal	550	$825
Contaminated Water Disposal	$0.72	per gal	4,000	$2,880
Ground Water Sample	$250	per sample	1	$250
Chemical Oxidants	$2.75	per lb	500	$1,375
Consultant Oversite	$800	per day	3	$2,400
Reporting (Tank Removal Report)	$1,200	per report	1	$1,200
Reporting (Tank Reg/Dereg with PBS)	$1,000	1 time filing	1	$500

TOTAL* **$29,530**

* Assumes the gas tank is not encased in concrete, if in concrete add $ 3,000
** Assumes area of 20ft by 20ft and 7ft deep = 103yd3 or ~140 tons
*** Assumes no backfill required for excavation

Phase II Subsurface Investigation Report

PHASE II

SUBSURFACE INVESTIGATION REPORT

OCTOBER 2013

EBC Project No: VHL1102

27-21 44th Drive, 44-18 Purves Street
Long Island City, NY 11101

Block 268, Lots 4, 22, & 23

Prepared for:

44 LIC, LLC
184 N. 8th Street
Brooklyn, NY 11211

ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road. Ridge, NY 11961 Ph: 631.504.6000 Fax: 631.924.2870

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27-21 44th Drive, 44-18 Purves Street
Long Island City, Queens, NY 11101

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Table 2 Soil Analytical Results, Semi-Volatile Organic Compounds
Table 3 Groundwater Analytical Results, Volatile Organic Compounds
Table 4 Groundwater Analytical Results, Semi-Volatile Organic Compounds

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan

APPENDICES

Appendix A Soil Boring Logs
Appendix B Laboratory Reports

1.0 INTRODUCTION

Environmental Business Consultants (EBC) has prepared the following Phase II Subsurface Investigation Report for properties located at 27-21 44th Drive and 44-18 Purves Street (Block 268, Lots 4, 22, 23), in Long Island City, Queens, New York 11101 ("the Site"). The subsurface investigation was conducted to investigate recognized environmental conditions identified in a Phase I Environmental Site Assessment report prepared for Lot 4 by EBC in October 2011 as well as the general environmental condition of Lots 22 and 23. The work was conducted on behalf of 44 LIC LLC to identify and characterize potential contaminants within the surface/subsurface soils and groundwater at the Site to support future redevelopment.

1.1 Site Location and Description

The Site is located in the City of New York and Borough of Brooklyn (Kings County) and is identified as Block 268, Lots 4, 22 and 23. The Site includes three adjoining lots located between Purves Street and 44th Drive with frontage on both streets. Lot 4 is a square shaped lot consisting of 100.4 feet of street frontage on 44th Drive, and a maximum of 98.46 feet deep. Lot 4 is developed with a 1-story warehouse and full walkout cellar that opens to the adjoining lots along Purves Street which is at a lower elevation. The building can be accessed from 44th Drive or from the cellar level through Lots 22 and 23.

Lots 22 and 23 are adjacent rectangular lots each with 25 feet of frontage along Purves Street and are 100 feet deep. Both lots are currently vacant with vegetative cover. The total area of the three lots combined is 14,600 ft^2 (0.335 acres). The property is owned by 44 LIC, LLC.

The area surrounding the subject property consists of a mix of residential and commercial properties. The elevation of the Site is approximately 17 feet above the National Geodetic Vertical Datum (NGVD). The depth to groundwater beneath the Site was encountered at approximately 9 feet below basement level on Lot 4 and below surface grade of Lots 22 and 23. Based on regional groundwater contour maps, groundwater is expected to flow to the west toward the East River.

1.2 Site Background

1.2.1 Phase I Environmental Site Assessment, October 2011

A Phase I Environmental Site Assessment (ESA) was completed by Environmental Business Consultants, in October of 2011 for a portion of the Site (Block 268, Lot 4).

The Phase I report indicated that historical information (DOB records, Sanborn Maps, City Directory listings, and internet search) reviewed for the subject site identified the subject site as being developed in the early 1920's with the one-story building (with full basement) that currently stands at the site. In 1936, the building was used as a first floor parking garage, and the basement was used for storage of furniture. The 1936 Sanborn map shows a gasoline tank in the front of the building. In 1947, the basement was used as a paper warehouse, and the first floor parking garage space was used as a photo chemical warehouse. The gasoline tank is not drawn on the 1947 Sanborn map. The 1970 Sanborn map simply labels the building as commercial or manufacturing in 1960, but city directory listings

provided for 1962 indicate the building was used as an automotive/truck rental facility. All of the Sanborn maps from 1977 to 2006 label the building as an auto body shop, which correlates with the city directory listings and internet findings, which note Tul Mor Auto Service, Inc. in 1970, Alvic Foreign Auto Repair in 1983, NE Auto Repair, Inc. in 2000 and Northeastern Auto Repair, Inc. in the mid 2000's.

EBC concluded that based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following recognized environmental conditions were noted for the site:

- Evidence indicating the presence of a gasoline underground storage tank underneath the concrete slab of the basement floor. The 1936 Sanborn map notes a gasoline tank near the front of the building. A vent pipe indicative of a gasoline tank is visible on the roof of the building near the southern garage door, and the remnants of a concrete dispenser island are visible immediately behind the garage door. The vent pipe was traced to the basement to a patch in the concrete floor.

Based on the age of the gasoline tank (85 years), EBC recommended the following actions:

- A Phase II Subsurface Investigation to include the collection and laboratory analysis of both soil and groundwater samples.
- Remove the gasoline tank and collect endpoint soil samples in accordance with NYS DER 10 / Technical Guidance for Site Investigation and Remediation
- Properly register and deregister the underground storage tank with the NYSDEC by completing and submitting a NYSDEC Petroleum Bulk Storage Application.
- Submit a Tank Removal Affidavit with the New York City Fire Department.
- Submit a Tank Closure Report to the NYSDEC.

Although the Phase I Report did not include recommendations for lots 22 and 23, the environmental history of both lots were evaluated in the Phase I. Lots 22 and 23 were originally developed prior to 1885 as 2 and 3-story residential buildings. From 1936 through 1950 both lots were part of an operation identified as "Controller Manufacturing". From 1970 through 2006 Lot 22 is shown as "welding and Repairs with directory listings that include Rozilda labs, Leather Goods, plating equipment, manufacturing and Artisan Designs. Lot 23 is shown as vacant from 1970 on with a single listing for Russell Cress Co. in 2005. The building on Lot 22 was demolished in 2008 and both lots are vacant.

2.0 SUBSURFACE INVESTIGATION

The field work portion of the Phase II was performed on May 10 and 17, 2013 and consisted of the collection and analysis of soil and groundwater samples. Drilling services were provided by Eastern Environmental Solutions of Manorville, NY. Analytical services were provided by Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301)

2.1 Soil Sampling

Four soil borings were performed in Lots 22 and 23 to a depth of 20 feet below grade on May 10, 2013. Due to restricted access an additional two borings were performed around the suspect tank in Lot 4 of the Site to a depth of 10 feet below the basement slab on May 17, 2013. The approximate locations of the tank and the soil borings are shown on **Figure 2**.

Soil samples from each soil boring location were collected using a five foot steel dual tube sampler with acetate liners and Geoprobe direct-push equipment. For each of the soil borings, soil samples were collected continuously from grade to the termination depth of the soil boring. Soil cores were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination by a qualified environmental professional. Boring logs are provided in **Appendix A**.

During the May 10, 2013 site visit four soil borings were advanced to 20 feet below grade in Lots 22 and 23 (44-18 Purves Street). A sample was retained from the groundwater interface (7-10') of soil boring B1 and B2. A deeper sample was retained (12-15') from soil sample locations B3 and B4. Soil boring B2 exhibited a slight odor and low PID (10-20 ppm) readings around the groundwater interface. Due to limited access to the building basement on Lot 4 no borings were performed on May 10, 2013

An additional two soil borings were performed on May 17, 2013 around the suspect underground storage tank on Lot 4 of the Site. A soil sample was retained from the interval that exhibited the highest degree of contamination (B1(5-8'), B2(4-7')). Both borings showed physical evidence of petroleum contamination with PID readings from 0-400 ppm.

2.1.1 Soil Results

All of the soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and delivered by laboratory dispatched courier to Phoenix Laboratories. Soil sample results were compared to the NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Analytical data for the soil samples are summarized in **Tables 1** through **2**, and a copy of the laboratory analytical reports are included in **Appendix B**.

VOCs

Only One VOC (n-Propylbenzene) was detected within the soil samples above its corresponding NYSDEC Part 375.6 Unrestricted Soil Cleanup Objectives (USCOs). The compound was detected within soil boring Tank B2. Soil sample B3(12-15') showed detections of cis-1,2-Dichloroethene, Tetrachloroethene, and Trichloroethene, but the levels were below UUSCOs.

SVOCs
No SVOCs were reported above their corresponding UUSCOs in any of the soil samples retained.

2.2 Groundwater Sampling

Following the installation of soil boring B1, B3, B4, Tank B1, and Tank B2, EBC installed a 1-inch diameter temporary PVC monitoring well. A groundwater sample was collected from the temporary monitoring well utilizing disposable polyethylene tubing, and a low-flow peristaltic pump.

The groundwater sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice. Groundwater samples GW1, GW3, and GW4 were submitted for analysis of VOCs by EPA Method 8260. Groundwater samples Tank GW1 and Tank GW2 were submitted for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 (CP51 List), to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301).

2.2.1 Groundwater Sample Results

Groundwater sample results were compared to the water quality standards specified in NYSDEC Groundwater Quality Standards (GQSs). Analytical data for the groundwater samples are summarized in **Tables 3 and 4** and a copy of the laboratory analytical report is provided in **Appendix B.**

VOCs
Several chlorinated VOCs were detected within the groundwater samples collected from locations GW1, GW3, and GW4. In addition, several petroleum VOCs were detected within the groundwater samples collected from locations Tank GW1 and Tank GW2. The findings are summarized below:

GW1	Tetrachloroethene (19 µg/L)
GW3	1,1,1-Trichloroethane (18 µg/L), cis-1,2-Dichloroethene (190 µg/L), Tetrachloroethene (950 µg/L), trans-1,2-Dichloroethene (6.6 µg/L), Trichloroethene (150 µg/L), and Vinyl Chloride (5.6 µg/L).
GW4	1,1,1-Trichloroethane (15 µg/L), cis-1,2-Dichloroethene (130 µg/L), Tetrachloroethene (610 µg/L), trans-1,2-Dichloroethene (14 µg/L), Trichloroethene (90 µg/L), and Vinyl Chloride (5.1 µg/L).
Tank GW1	n-Propylbenzene (21 µg/L).
Tank GW2	Isopropylbenzene (47 µg/L), Naphthalene (66 µg/L), n-Propylbenzene (110 µg/L).

SVOCs
Several SVOCs were detected within the groundwater samples Tank GW1 and Tank GW2. The findings are summarized below:

Tank GW1	Benzo(a)anthracene (11 µg/L), Benzo(b)fluoranthene (13 µg/L), Benzo(k)fluoranthene (5.1 µg/L), Chrsyene (11 µg/L), Indeno(1,2,3-cd)pyrene (5.8 µg/L).
*Tank GW2	Fluoranthene (73 µg/L), Naphthalene (57 µg/L), Phenanthrene (51 µg/L), Pyrene (69 µg/L).

*Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated Report Limit (RL) was reported for the semivolatile analysis.

3.0 CONCLUSIONS

Subsurface soils at the site are primarily made up of urban fill material to a maximum depth of 4 feet, followed by a silty sand to approximately 15 feet below grade and coarse sand to the boring terminus. The groundwater was encountered at a depth of approximately 9 feet below grade of Lots 22 and 23.

Lots 22 and 23
No VOCs or SVOCs were detected above UUSCOs within any of the soil samples from Lots 22 and 23. Groundwater samples showed concentrations of several chlorinated VOCs above NYSDEC Groundwater Quality Standards including tetrachloroethene (PCE) at a concentration of 950 ug/L. Based on the historic use of the lots for controller manufacturing, leather goods and plating equipment and the chlorinated solvent detections in soil, it's possible that the contaminants are site related.

Lot 4
Elevated concentrations of petroleum VOCs were detected within one soil sample, but only one VOC, n-Propylbenzene, was reported above its respective UUSCO. No SVOCs were detected above UUSCOs within either of the soil samples retained. The groundwater results showed several petroleum VOCs and SVOCs over NYSDEC Groundwater Quality Standards in each sample including n-propylbenzene. Based on field observations and the elevated levels of petroleum VOCs in soil and groundwater in the vicinity of the UST, a spill was reported to the NYSDEC as required by Law (Spill No. 1302045).

4.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-6

NYSDEC, Division of Water, June 1998, Addendum April 2000, *Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

Environmental Business Consultants, October 2011, *Phase I Environmental Site Assessment, 27-21 44th Drive, Long Island City, NY.*

TABLES

TABLE 1
27-21 44th Drive
Queens, NY
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,1-Trichloroethane	680	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,2,2-Tetrachloroethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
1,1,2-Trichloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethane	270	26,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethene	330	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trimethylbenzene	3,600	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromo-3-chloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromoethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloroethane	20	3,100	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3,5-Trimethylbenzene	8,400	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichlorobenzene	2,400	4,900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,4-Dichlorobenzene	1,800	13,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Hexanone (Methyl Butyl Ketone)			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
2-Isopropyltoluene			ND	7	**12**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Methyl-2-Pentanone			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
Acetone	50	100,000	ND	35	ND	36	ND	27	ND	27	ND	50	ND	31,000
Acrylonitrile			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Benzene	60	4,800	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromochloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromodichloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromoform			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon Disulfide			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon tetrachloride	760	2,400	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroform	370	49,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
cis-1,2-Dichloroethene	250	100,000	ND	7	ND	7.3	**90**	5.3	**12**	5.5	ND	12	ND	1,600
cis-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dibromochloromethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
Dibromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dichlorodifluoromethane		100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Ethylbenzene	1,000	41,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Hexachlorobutadiene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Isopropylbenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	**32**	12	**2,000**	1,600
m&p-Xylenes	260		ND	7	ND	7.3	ND	5.3	ND	5.5	**16**	12	ND	1,600
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	42	ND	44	ND	32	ND	33	ND	70	ND	9,400
Methyl t-butyl ether (MTBE)	930	100,000	ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Methylene chloride	50	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Naphthalene	12,000		ND	7	**39**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
n-Butylbenzene	12,000	100,000	ND	7	**21**	7.3	ND	5.3	ND	5.5	**18**	12	**4,000**	1,600
n-Propylbenzene	3,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	**51**	12	**4,500**	1,600
o-Xylene	260	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
p-Isopropyltoluene			ND	7	**25**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
sec-Butylbenzene	11,000	100,000	ND	7	**35**	7.3	ND	5.3	ND	5.5	**18**	12	**1,700**	1,600
Styrene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
tert-Butylbenzene	5,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Tetrachloroethene	1,300	19,000	ND	7	ND	7.3	**630**	290	**92**	5.5	ND	12	ND	1,600
Tetrahydrofuran (THF)			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Toluene	700	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total Xylenes			ND	7	ND	7.3	ND	5.3	ND	5.5	16	12	ND	1,600
trans-1,2-Dichloroethene	190	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trans-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trabs-1,4-dichloro-2-butene			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Trichloroethene	470	21,000	ND	7	ND	7.3	**64**	5.3	**11**	5.5	ND	12	ND	1,600
Trichlorofluoromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Trichlorotrifluoroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Vinyl Chloride	20	900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total BTEX Concentration			**0.0**		**25.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**132.0**		**784.0**		**115.0**		**151.0**		**12200.0**	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
ND - Not-detected
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 2
27-21 44th Drive
Queens, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Acenaphthene	20,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Acenaphthylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Anthracene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Benz(a)anthracene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**680**	310	ND	3,100
Benzo(a)pyrene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**580**	310	ND	3,100
Benzo(b)fluoranthene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**700**	310	ND	3,100
Benzo(ghi)perylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**410**	310	ND	3,100
Benzo(k)fluoranthene	800	3,900	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Chrysene	1,000	3,900	ND	270	ND	270	ND	270	ND	270	**820**	310	ND	3,100
Dibenz(a,h)anthracene	330	330	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Fluoranthene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,600**	310	ND	3,100
Fluorene	30,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Indeno(1,2,3-cd)pyrene	500	500	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Naphthalene	12,000	100,000	ND	270	ND	270	ND	270	ND	270	**310**	310	ND	3,100
Phenanthrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,100**	310	ND	3,100
Pyrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,700**	310	ND	3,100

Notes:

* - NYSDEC Technical and Administative Guidance Memorandum 4046, 1994

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

NA - Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1		GW3		GW4		TANK GW1		TANK GW2	
	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,1,1-Trichloroethane	5	ND	1	**18**	1	**15**	2	ND	20	ND	40
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	2	ND	20	ND	40
1,1-Dichloroethane	5	ND	1	**1.7**	1	**3.1**	2	ND	20	ND	40
1,1-Dichloroethene	5	ND	1	**1.4**	1	ND	2	ND	20	ND	40
1,1-Dichloropropene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromo-3-chloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloropropane	0.94	ND	0.6	ND	0.6	ND	1.2	ND	12	ND	24
1,3,5-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromoethane		ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,4-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2,2-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Hexanone (Methyl Butyl Ketone)		ND	5	ND	5	ND	10	ND	100	ND	200
2-Isopropyltoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Methyl-2-Pentanone		ND	5	ND	5	ND	10	ND	100	ND	200
Acetone		ND	25	ND	25	ND	50	ND	500	ND	1,000
Acrylonitrile	5	ND	5	ND	5	ND	10	ND	100	ND	200
Benzene	1	ND	0.7	ND	0.7	ND	1.4	ND	14	ND	28
Bromobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromochloromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromodichloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Bromoform		ND	1	ND	1	ND	2	ND	20	ND	40
Bromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Carbon Disulfide	60	ND	5	ND	5	ND	10	ND	100	ND	200
Carbon tetrachloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroform	7	ND	1	ND	1	ND	2	ND	20	ND	40
Chloromethane	60	ND	1	ND	1	ND	2	ND	20	ND	40
cis-1,2-Dichloroethene	5	**4.2**	1	**190**	10	**130**	20	ND	20	ND	40
cis-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromochloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Dichlorodifluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Ethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Hexachlorobutadiene	0.5	ND	0.4	ND	0.4	ND	0.8	ND	8	ND	16
Isopropylbenzene	5	ND	1	ND	1	ND	2	ND	20	**47**	40
m&p-Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	10	ND	100	ND	200
Methyl t-butyl ether (MTBE)	10	ND	1	ND	1	ND	2	ND	20	ND	40
Methylene chloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Naphthalene	10	ND	1	ND	1	ND	2	ND	20	ND	40
n-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	**66**	40
n-Propylbenzene	5	ND	1	ND	1	ND	2	**21**	20	**110**	40
o-Xylene	5	ND	1	ND	1	ND	2	ND	20	ND	40
p-Isopropyltoluene		ND	1	ND	1	ND	2	ND	20	ND	40
sec-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Styrene	5	ND	1	ND	1	ND	2	ND	20	ND	40
tert-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Tetrachloroethene	5	**19**	1	**950**	50	**610**	20	ND	20	ND	40
Tetrahydrofuran (THF)		ND	2.5	ND	2.5	ND	5	ND	50	ND	100
Toluene	5	**1.8**	1	ND	1	ND	2	ND	20	ND	40
Total Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
trans-1,2-Dichloroethene	5	ND	1	**6.6**	1	**14**	2	ND	20	ND	40
trans-1,3-Dichloropropene	0.4	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
trans-1,4-dichloro-2-butene	5	ND	5	ND	5	ND	10	ND	100	ND	200
Trichloroethene	5	**3.2**	1	**150**	10	**90**	20	ND	20	ND	40
Trichlorofluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Trichlorotrifluoroethane		ND	1	ND	1	ND	2	ND	20	ND	40
Vinyl Chloride	2	ND	1	**5.6**	1	**5.1**	2	ND	20	ND	40

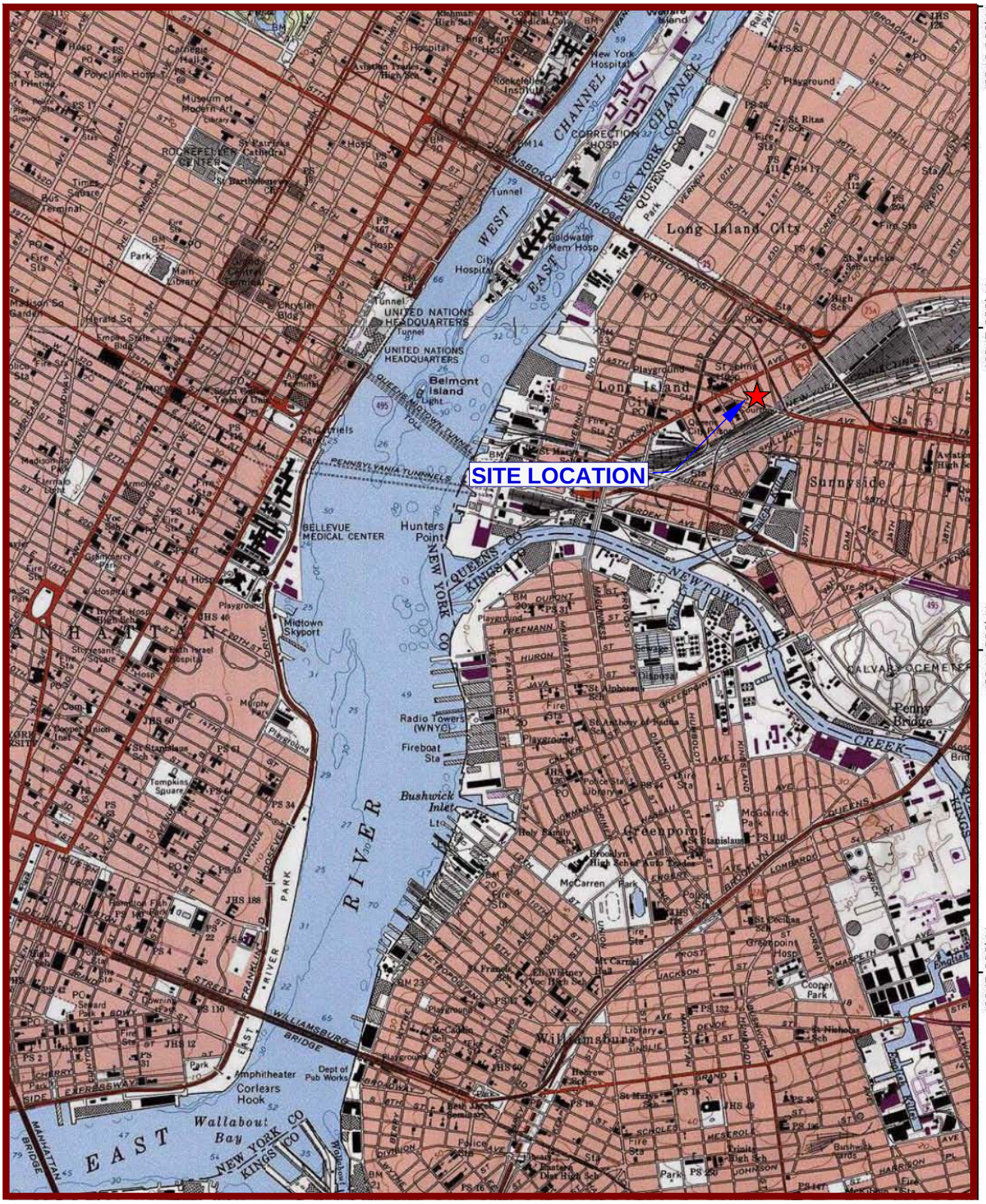
Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 4
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	TANK GW1 µg/L		TANK GW2 µg/L	
		Result	RL	Result	RL
2-Methylnaphthalene		**0.98**	0.1	ND	*50
Acenaphthene	20	**1.4**	0.1	ND	*50
Acenaphthylene		**1.1**	0.1	ND	*50
Anthracene	50	**4.3**	0.1	ND	*50
Benz(a)anthracene	0.002	**11**	0.02	ND	*50
Benzo(a)pyrene		**11**	0.02	ND	*50
Benzo(b)fluoranthene	0.002	**13**	0.02	ND	*50
Benzo(ghi)perylene		**7.5**	0.1	ND	*50
Benzo(k)fluoranthene	0.002	**5.1**	0.02	ND	*50
Chrysene	0.002	**11**	0.02	ND	*50
Dibenzo(a,h)anthracene		**1.5**	0.01	ND	*50
Fluoranthene	50	**19**	0.1	**73**	*50
Fluorene	50	**1.4**	0.1	ND	*50
Indeno(1,2,3-cd)pyrene	0.002	**5.8**	0.02	ND	*50
Naphthalene	10	**1.5**	0.1	**57**	*50
Phenanthrene	50	**14**	0.07	**51**	*50
Pyrene	50	**21**	0.1	**69**	*50

Notes:
ND - Not detected
* - Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES

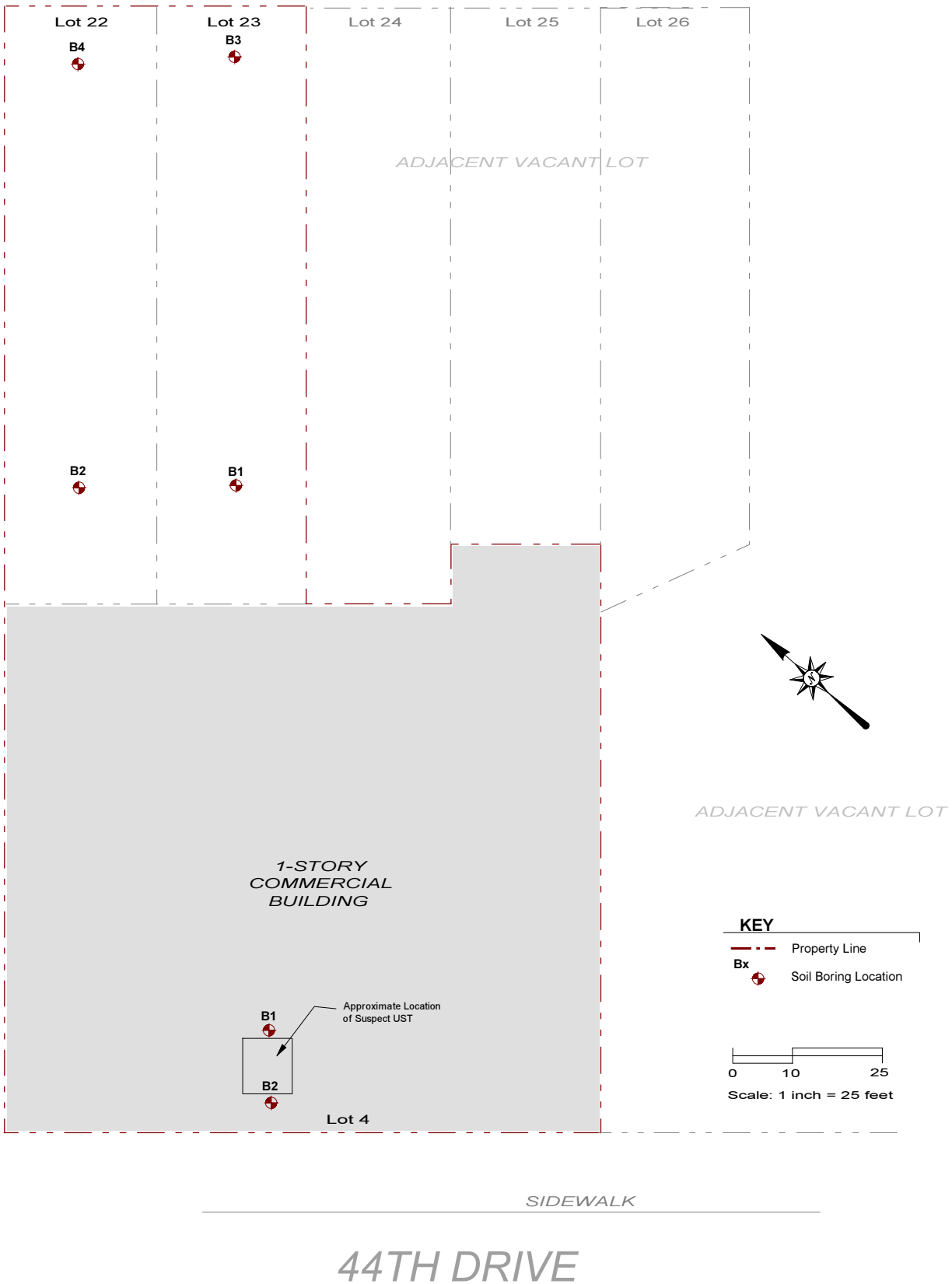


USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE & 44-18/20 PURVES STREET
LONG ISLAND CITY, NY

FIGURE 1 SITE LOCATION MAP



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE, 44-18 PURVES STREET
QUEENS, NY 11101

FIGURE 2 SITE PLAN

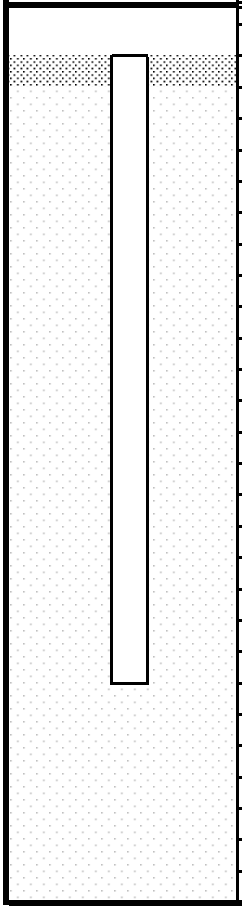
APPENDIX A
SOIL BORING LOGS

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the rear of Lot 23.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/10/2013		Date Completed: 5/10/2013			None
Completion Depth: 20 Feet		Geologist Dominick Mosca			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	29		0.0	3" - Top soil. 26" - Dark fill material in a firm silty sand matrix.
	5 to 10	30		0.0	14" - Moist brown silty sand, little to no gravel. No odor, No PID. 16" - Saturated brown, sandy loam. No gravel, No PID, No odor. **Retained Soil Sample B1 (7-10')*
	10 to 15	32		0.0	12" - Saturated brown silty sand with fine gravel. No odor, No PID. 20" - Coarse sand and gravel. No odor, No PID.
	15 to 20	18		0.0	18" - Saturated coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed in the rear of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0.0	2" - Top soil. 8" - Sandy fill, brick, gravel, dark moist sandy soil. 10" - Fine brown sand with fine gravel and trace silt. No odor, No PID.
	to 10	32		0-50	12" - Fine brown sand and gravel. 12" - Saturated grey sandy loam. Petroleum odor. PID 0-50ppm. 7" - Saturated brown sand with gravel. Slight odor. **Retained Soil Sample B2 (7-10')*
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID.
	to 20	24		0-3	24" - Saturated brown coarse sand and gravel. Bottom 8" had slight petroleum odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed in the front portion of Lot 23.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date / DTW	Groundwater depth	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	1" - Top soil. 6" - Concrete. 5" - Sandy fill material comprised of brick, wood, etc. 23" - Moist, brown silty sand with assorted gravel for the bottom 8".
	to 10	30		0.0	28" - Moist brown sandy clay. No gravel, No PID, No odor. 2" - Saturated silty sand with fine gravel.
	to 15	36		0.0	25" - Saturated brown silty sand and fine gravel. 11" - Dark brown sandy clay, no gravel. PID 0-5ppm, No odor. **Retained Soil Sample B3 (12-15')*
	to 20	30		0.0	25" - Firm, saturated, dark brown clay with no gravel. No odor, No PID. 5" - Coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed in front portion of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	4" - Top soil. 36" - Fine brown silty sand with assorted gravel. No PID, no odor.
	to 10	22		0.0	22" - Moist brown silty sand with gravel. No odor, no PID.
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID. **Retained Soil Sample B4 (12-15')*
	to 20	30		0.0	30" - Saturated medium sand with approx. 50% gravel. No odor, No PID. **Retained Groundwater Sample GW4.*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B1 Boring Log

Location: Performed adjacent to the suspect UST (toward Purves Street).			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013	Date Completed: 5/12/2013			None
Completion Depth: 10 Feet	Geologist Dominick Mosca			

Tank B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	50		200.0	30" - Fill material. 20" - Saturated silty sand. Stained black, heavy petroleum odor. PID 100-200ppm.
	to 10	50		300.0	50" - Saturated silty sand with fine gravel. Stained black with heavy petroleum odor, PID 0-300ppm. *Retained Soil Sample B1 (5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B2 Boring Log

Location: Performed toward the rear wall.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013		Date Completed: 5/12/2013			None
Completion Depth: 10 Feet		Geologist Dominick Mosca			

Tank B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	35		0-10	15" - Concrete 10" - Dark brown silty sand with gravel. Slight petroleum odor.
	5				
	to	40		280.0	40" - Stained black silty sand with fine gravel. PID 100-280ppm. **Retained Soil Sample B2 (5-7')*
	10				

APPENDIX B
LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, May 20, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 4416-4418 PURVES ST.
Sample ID#s: BD71472 - BD71478

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

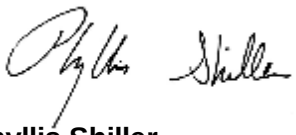
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 20, 2013

SDG I.D.: GBD71472

BD71476 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71472

Project ID: 4416-4418 PURVES ST.
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	35	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472

Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	42	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	104		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	94		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	104		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71473

Project ID: 4416-4418 PURVES ST.
Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	36	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	12	7.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	44	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	39	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	21	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	25	7.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	35	7.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	15	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	108		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	37		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	40		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	47		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71474

Project ID: 4416-4418 PURVES ST.
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474

Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	90	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	630	290	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	64	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	97		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	92		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	87		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	96		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
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Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71475

Project ID: 4416-4418 PURVES ST.
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	12	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	92	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	11	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	92		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71475
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	93		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	107		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71476

Project ID: 4416-4418 PURVES ST.
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/16/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/16/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,2-Dichloroethene	4.2	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/16/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrachloroethene	19	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/16/13	R/T	SW8260	1
Toluene	1.8	1.0	ug/L	05/16/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Trichloroethene	3.2	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/16/13	R/T	70 - 130 %	
% Bromofluorobenzene	85		%	05/16/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/16/13	R/T	70 - 130 %	
% Toluene-d8	92		%	05/16/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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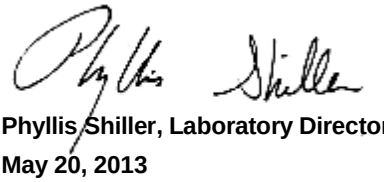

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71477

Project ID: 4416-4418 PURVES ST.
Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	18	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	1.7	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	1.4	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	190	10.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	950	50.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	6.6	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	150	10.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.6	1.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	96		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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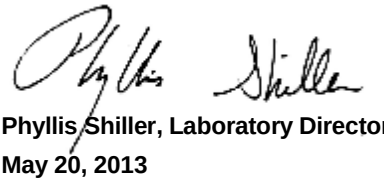

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71478

Project ID: 4416-4418 PURVES ST.
Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	15	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	3.1	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	1.2	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	10	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	10	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	50	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	10	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	1.4	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	10	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	130	20.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.80	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	10	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	610	20.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	14	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	90	20.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.1	2.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	87		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Comments:

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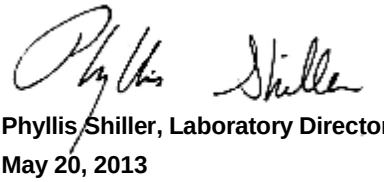

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 20, 2013

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 230739, QC Sample No: BD71313 (BD71474 (45X))										
Volatiles - Soil										
Tetrachloroethene	ND	106	100	5.8	103	93	10.2	70 - 130	30	
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.										
QA/QC Batch 230307, QC Sample No: BD71443 (BD71472, BD71473, BD71474, BD71475)										
Polynuclear Aromatic HC - Soil										
Acenaphthene	ND	88	88	0.0	91	93	2.2	30 - 130	30	
Acenaphthylene	ND	86	86	0.0	92	92	0.0	30 - 130	30	
Anthracene	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Benz(a)anthracene	ND	87	88	1.1	89	90	1.1	30 - 130	30	
Benzo(a)pyrene	ND	84	85	1.2	84	86	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	96	96	0.0	98	102	4.0	30 - 130	30	
Benzo(ghi)perylene	ND	81	81	0.0	96	87	9.8	30 - 130	30	
Benzo(k)fluoranthene	ND	98	101	3.0	90	95	5.4	30 - 130	30	
Chrysene	ND	88	88	0.0	92	91	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	80	80	0.0	99	91	8.4	30 - 130	30	
Fluoranthene	ND	91	92	1.1	95	94	1.1	30 - 130	30	
Fluorene	ND	90	90	0.0	94	94	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	82	82	0.0	82	74	10.3	30 - 130	30	
Naphthalene	ND	86	81	6.0	87	88	1.1	30 - 130	30	
Phenanthrene	ND	92	94	2.2	96	95	1.0	30 - 130	30	
Pyrene	ND	88	90	2.2	94	92	2.2	30 - 130	30	
% 2-Fluorobiphenyl	89	88	85	3.5	87	86	1.2	30 - 130	30	
% Nitrobenzene-d5	90	79	75	5.2	85	86	1.2	30 - 130	30	
% Terphenyl-d14	96	96	96	0.0	94	93	1.1	30 - 130	30	
Comment:										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 230521, QC Sample No: BD71482 (BD71472, BD71473, BD71474, BD71475)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	112	108	3.6	103	112	8.4	70 - 130	30	
1,1,1-Trichloroethane	ND	94	89	5.5	90	97	7.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	94	2.1	<40	<40	NC	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	101	4.0	90	89	1.1	70 - 130	30	
1,1-Dichloroethane	ND	95	92	3.2	91	95	4.3	70 - 130	30	
1,1-Dichloroethene	ND	91	85	6.8	91	97	6.4	70 - 130	30	
1,1-Dichloropropene	ND	101	94	7.2	94	105	11.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	103	11.3	78	80	2.5	70 - 130	30	
1,2,3-Trichloropropane	ND	98	88	10.8	90	92	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	89	97	8.6	77	81	5.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	89	4.4	86	96	11.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	120	130	8.0	112	112	0.0	70 - 130	30	
1,2-Dibromoethane	ND	98	104	5.9	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	95	94	1.1	87	95	8.8	70 - 130	30	
1,2-Dichloroethane	ND	98	100	2.0	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	92	96	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	86	8.9	87	99	12.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	92	4.3	86	96	11.0	70 - 130	30	
1,3-Dichloropropane	ND	99	99	0.0	95	97	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	92	90	2.2	84	91	8.0	70 - 130	30	
2,2-Dichloropropane	ND	96	92	4.3	88	94	6.6	70 - 130	30	
2-Chlorotoluene	ND	104	95	9.0	95	108	12.8	70 - 130	30	
2-Hexanone	ND	77	86	11.0	101	97	4.0	70 - 130	30	
2-Isopropyltoluene	ND	97	93	4.2	93	104	11.2	70 - 130	30	
4-Chlorotoluene	ND	97	91	6.4	92	103	11.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	103	11.3	99	92	7.3	70 - 130	30	
Acetone	ND	64	71	10.4	112	96	15.4	70 - 130	30	I
Acrylonitrile	ND	93	102	9.2	100	89	11.6	70 - 130	30	
Benzene	ND	91	87	4.5	87	94	7.7	70 - 130	30	
Bromobenzene	ND	106	100	5.8	99	109	9.6	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	101	100	1.0	70 - 130	30	
Bromodichloromethane	ND	92	92	0.0	87	90	3.4	70 - 130	30	
Bromoform	ND	112	116	3.5	106	108	1.9	70 - 130	30	
Bromomethane	ND	99	89	10.6	89	106	17.4	70 - 130	30	
Carbon Disulfide	ND	83	77	7.5	83	91	9.2	70 - 130	30	
Carbon tetrachloride	ND	108	103	4.7	100	114	13.1	70 - 130	30	
Chlorobenzene	ND	102	98	4.0	94	103	9.1	70 - 130	30	
Chloroethane	ND	94	87	7.7	93	100	7.3	70 - 130	30	
Chloroform	ND	88	85	3.5	84	88	4.7	70 - 130	30	
Chloromethane	ND	97	95	2.1	105	106	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	94	95	1.1	92	91	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	98	2.1	89	91	2.2	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	104	109	4.7	70 - 130	30	
Dibromomethane	ND	97	102	5.0	96	94	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	106	102	3.8	112	115	2.6	70 - 130	30	
Ethylbenzene	ND	95	89	6.5	90	100	10.5	70 - 130	30	
Hexachlorobutadiene	ND	80	91	12.9	90	100	10.5	70 - 130	30	
Isopropylbenzene	ND	105	94	11.1	97	113	15.2	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	91	99	8.4	70 - 130	30	
Methyl ethyl ketone	ND	64	76	17.1	97	84	14.4	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	85	87	2.3	86	84	2.4	70 - 130	30	
Methylene chloride	ND	78	77	1.3	80	80	0.0	70 - 130	30	
Naphthalene	ND	102	122	17.9	90	89	1.1	70 - 130	30	
n-Butylbenzene	ND	80	79	1.3	80	90	11.8	70 - 130	30	
n-Propylbenzene	ND	103	94	9.1	94	109	14.8	70 - 130	30	
o-Xylene	ND	97	94	3.1	91	99	8.4	70 - 130	30	
p-Isopropyltoluene	ND	99	94	5.2	93	106	13.1	70 - 130	30	
sec-Butylbenzene	ND	90	83	8.1	87	100	13.9	70 - 130	30	
Styrene	ND	90	88	2.2	88	93	5.5	70 - 130	30	
tert-Butylbenzene	ND	103	94	9.1	96	109	12.7	70 - 130	30	
Tetrachloroethene	ND	109	99	9.6	101	114	12.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	87	97	10.9	93	82	12.6	70 - 130	30	
Toluene	ND	92	90	2.2	88	94	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	81	6.0	82	87	5.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,3-Dichloropropene	ND	94	97	3.1	90	87	3.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	107	9.8	99	96	3.1	70 - 130	30	
Trichloroethene	ND	106	101	4.8	>150	>150	NC	70 - 130	30	m
Trichlorofluoromethane	ND	97	90	7.5	93	102	9.2	70 - 130	30	
Trichlorotrifluoroethane	ND	103	96	7.0	105	111	5.6	70 - 130	30	
Vinyl chloride	ND	105	101	3.9	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	100	102	2.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	94	95	97	2.1	96	94	2.1	70 - 130	30	
% Dibromofluoromethane	97	96	100	4.1	97	93	4.2	70 - 130	30	
% Toluene-d8	96	94	95	1.1	93	92	1.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230757, QC Sample No: BD71493 (BD71476, BD71477 (50, 10X) , BD71478 (20X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	94	91	3.2	94	91	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	85	83	2.4	97	83	15.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	108	4.7	117	112	4.4	70 - 130	30	
1,1,2-Trichloroethane	ND	95	95	0.0	106	108	1.9	70 - 130	30	
1,1-Dichloroethane	ND	106	109	2.8	111	105	5.6	70 - 130	30	
1,1-Dichloroethene	ND	103	107	3.8	117	102	13.7	70 - 130	30	
1,1-Dichloropropene	ND	95	98	3.1	112	110	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	112	9.3	116	119	2.6	70 - 130	30	
1,2,3-Trichloropropane	ND	97	100	3.0	107	101	5.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	101	3.0	108	111	2.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	100	0.0	112	108	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	104	3.9	114	112	1.8	70 - 130	30	
1,2-Dibromoethane	ND	89	91	2.2	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	98	98	0.0	103	99	4.0	70 - 130	30	
1,2-Dichloroethane	ND	78	81	3.8	80	84	4.9	70 - 130	30	
1,2-Dichloropropane	ND	98	98	0.0	109	109	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	97	1.0	107	104	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	99	99	0.0	103	100	3.0	70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	113	109	3.6	70 - 130	30	
1,4-Dichlorobenzene	ND	98	98	0.0	101	98	3.0	70 - 130	30	
2,2-Dichloropropane	ND	110	107	2.8	120	104	14.3	70 - 130	30	
2-Chlorotoluene	ND	103	104	1.0	110	105	4.7	70 - 130	30	
2-Hexanone	ND	104	103	1.0	119	113	5.2	70 - 130	30	
2-Isopropyltoluene	ND	98	98	0.0	106	103	2.9	70 - 130	30	
4-Chlorotoluene	ND	100	100	0.0	108	105	2.8	70 - 130	30	
4-Methyl-2-pentanone	ND	100	101	1.0	124	123	0.8	70 - 130	30	
Acetone	ND	90	89	1.1	54	41	27.4	70 - 130	30	m
Acrylonitrile	ND	125	132	5.4	141	123	13.6	70 - 130	30	l,m
Benzene	ND	104	110	5.6	113	128	12.4	70 - 130	30	
Bromobenzene	ND	100	100	0.0	106	103	2.9	70 - 130	30	
Bromochloromethane	ND	113	109	3.6	122	107	13.1	70 - 130	30	
Bromodichloromethane	ND	82	83	1.2	92	94	2.2	70 - 130	30	
Bromoform	ND	101	99	2.0	93	90	3.3	70 - 130	30	
Bromomethane	ND	116	117	0.9	90	86	4.5	70 - 130	30	
Carbon Disulfide	ND	104	106	1.9	130	119	8.8	70 - 130	30	
Carbon tetrachloride	ND	73	72	1.4	75	73	2.7	70 - 130	30	
Chlorobenzene	ND	99	100	1.0	103	99	4.0	70 - 130	30	
Chloroethane	ND	112	114	1.8	121	105	14.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroform	ND	99	95	4.1	110	93	16.7	70 - 130	30	
Chloromethane	ND	97	96	1.0	112	96	15.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	121	122	0.8	130	110	16.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	102	1.0	116	118	1.7	70 - 130	30	
Dibromochloromethane	ND	96	97	1.0	96	94	2.1	70 - 130	30	
Dibromomethane	ND	91	93	2.2	99	100	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	82	79	3.7	99	89	10.6	70 - 130	30	
Ethylbenzene	ND	98	97	1.0	106	103	2.9	70 - 130	30	
Hexachlorobutadiene	ND	86	85	1.2	95	95	0.0	70 - 130	30	
Isopropylbenzene	ND	101	101	0.0	113	113	0.0	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	106	102	3.8	70 - 130	30	
Methyl ethyl ketone	ND	98	101	3.0	101	85	17.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	97	4.0	135	130	3.8	70 - 130	30	m
Methylene chloride	ND	98	103	5.0	99	86	14.1	70 - 130	30	
Naphthalene	ND	106	108	1.9	140	142	1.4	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	105	103	1.9	70 - 130	30	
n-Propylbenzene	ND	104	104	0.0	114	110	3.6	70 - 130	30	
o-Xylene	ND	108	106	1.9	107	103	3.8	70 - 130	30	
p-Isopropyltoluene	ND	99	97	2.0	109	108	0.9	70 - 130	30	
sec-Butylbenzene	ND	96	94	2.1	107	103	3.8	70 - 130	30	
Styrene	ND	106	106	0.0	105	100	4.9	70 - 130	30	
tert-Butylbenzene	ND	95	96	1.0	105	102	2.9	70 - 130	30	
Tetrachloroethene	ND	92	90	2.2	102	103	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	117	0.0	121	94	25.1	70 - 130	30	
Toluene	ND	91	92	1.1	108	112	3.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	119	115	3.4	116	112	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	96	94	2.1	109	110	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	130	129	0.8	130	129	0.8	70 - 130	30	
Trichloroethene	ND	100	99	1.0	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	78	80	2.5	94	82	13.6	70 - 130	30	
Trichlorotrifluoroethane	ND	92	88	4.4	106	99	6.8	70 - 130	30	
Vinyl chloride	ND	110	108	1.8	116	101	13.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	83	95	95	0.0	89	89	0.0	70 - 130	30	
% Dibromofluoromethane	95	103	99	4.0	103	95	8.1	70 - 130	30	
% Toluene-d8	92	91	93	2.2	99	107	7.8	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230579, QC Sample No: BD78745 (BD71477, BD71478 (2X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	96	95	1.0	103			70 - 130	30	
1,1,1-Trichloroethane	ND	92	85	7.9	103			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	105	0.0	116			70 - 130	30	
1,1,2-Trichloroethane	ND	97	93	4.2	102			70 - 130	30	
1,1-Dichloroethane	ND	101	95	6.1	135			70 - 130	30	m
1,1-Dichloroethene	ND	110	99	10.5	127			70 - 130	30	
1,1-Dichloropropene	ND	93	84	10.2	131			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	108	105	2.8	105			70 - 130	30	
1,2,3-Trichloropropane	ND	99	96	3.1	110			70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	104	1.0	108			70 - 130	30	
1,2,4-Trimethylbenzene	ND	110	106	3.7	118			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	103	102	1.0	116			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	91	90	1.1	99			70 - 130	30	
1,2-Dichlorobenzene	ND	102	100	2.0	109			70 - 130	30	
1,2-Dichloroethane	ND	76	72	5.4	98			70 - 130	30	
1,2-Dichloropropane	ND	98	93	5.2	111			70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	103	4.7	117			70 - 130	30	
1,3-Dichlorobenzene	ND	107	103	3.8	112			70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	119			70 - 130	30	
1,4-Dichlorobenzene	ND	106	102	3.8	110			70 - 130	30	
2,2-Dichloropropane	ND	>150	135	NC	138			70 - 130	30	l,m
2-Chlorotoluene	ND	113	108	4.5	119			70 - 130	30	
2-Hexanone	ND	100	103	3.0	109			70 - 130	30	
2-Isopropyltoluene	ND	108	102	5.7	120			70 - 130	30	
4-Chlorotoluene	ND	109	105	3.7	120			70 - 130	30	
4-Methyl-2-pentanone	ND	97	93	4.2	110			70 - 130	30	
Acetone	ND	84	83	1.2	104			70 - 130	30	
Acrylonitrile	ND	113	116	2.6	147			70 - 130	30	m
Benzene	ND	98	90	8.5	149			70 - 130	30	m
Bromobenzene	ND	107	105	1.9	114			70 - 130	30	
Bromochloromethane	ND	107	103	3.8	124			70 - 130	30	
Bromodichloromethane	ND	88	83	5.8	95			70 - 130	30	
Bromoform	ND	100	99	1.0	109			70 - 130	30	
Bromomethane	ND	101	98	3.0	96			70 - 130	30	
Carbon Disulfide	ND	104	97	7.0	147			70 - 130	30	m
Carbon tetrachloride	ND	78	73	6.6	95			70 - 130	30	
Chlorobenzene	ND	105	101	3.9	115			70 - 130	30	
Chloroethane	ND	102	98	4.0	144			70 - 130	30	m
Chloroform	ND	97	91	6.4	111			70 - 130	30	
Chloromethane	ND	98	92	6.3	123			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	103	6.6	115			70 - 130	30	
Dibromochloromethane	ND	99	99	0.0	104			70 - 130	30	
Dibromomethane	ND	93	89	4.4	99			70 - 130	30	
Dichlorodifluoromethane	ND	99	91	8.4	99			70 - 130	30	
Ethylbenzene	ND	105	100	4.9	118			70 - 130	30	
Hexachlorobutadiene	ND	97	95	2.1	104			70 - 130	30	
Isopropylbenzene	ND	119	113	5.2	124			70 - 130	30	
m&p-Xylene	ND	106	103	2.9	120			70 - 130	30	
Methyl ethyl ketone	ND	88	86	2.3	125			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	93	87	6.7	122			70 - 130	30	
Methylene chloride	ND	90	87	3.4	115			70 - 130	30	
Naphthalene	ND	115	113	1.8	111			70 - 130	30	
n-Butylbenzene	ND	112	106	5.5	119			70 - 130	30	
n-Propylbenzene	ND	119	113	5.2	120			70 - 130	30	
o-Xylene	ND	111	107	3.7	122			70 - 130	30	
p-Isopropyltoluene	ND	111	105	5.6	118			70 - 130	30	
sec-Butylbenzene	ND	107	102	4.8	119			70 - 130	30	
Styrene	ND	107	105	1.9	122			70 - 130	30	
tert-Butylbenzene	ND	109	104	4.7	120			70 - 130	30	
Tetrahydrofuran (THF)	ND	105	97	7.9	132			70 - 130	30	m
Toluene	ND	99	93	6.3	110			70 - 130	30	
trans-1,2-Dichloroethene	ND	109	102	6.6	131			70 - 130	30	m
trans-1,3-Dichloropropene	ND	104	98	5.9	109			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	136	137	0.7	141			70 - 130	30	l,m
Trichlorofluoromethane	ND	89	81	9.4	94			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorotrifluoroethane	ND	103	94	9.1	106			70 - 130	30	
Vinyl chloride	ND	107	100	6.8	135			70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	99	99	0.0	100			70 - 130	30	
% Bromofluorobenzene	84	90	91	1.1	97			70 - 130	30	
% Dibromofluoromethane	95	99	100	1.0	99			70 - 130	30	
% Toluene-d8	93	92	91	1.1	90			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 20, 2013

Sample Criteria Exceedences Report

GBD71472 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2013

SDG I.D.: GBD71472

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

4°C w/ C of C

NY/NJ CHAIN OF CUSTODY RECORD

Temp Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email:

Customer: EBC
Address: 1808 Middle County Road, Ridge, NY 11961

Project: ~~4418 and 4420~~ 4416-4418 Pares St
Report to:
Invoice to: EBC

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Date: 5-10-13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP-51 List	Soil VOA [ ] Methanol [ ] Bisulfate [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ]	PL As is [ ]	PL H2SO4 [ ] 250ml [ ] As is [ ]	PL HNO3 250ml [ ]	PL NaOH 250ml [ ]	Bacteria Bottle
71472	B1 (7-10)	S	5.10.13		X	X		2	1	1						
71473	B2 (7-10)	"	"		"	"		"	"	"						
71474	B3 (12-15)	"	"		"	"		"	"	"						
71475	B4 (12-15)	"	"		"	"										
71476	GW1	GW	"		"	"					3					
71477	GW3	"	"		"	"					1					
71478	GW4	"	"		"	"										

Relinquished by:	Accepted by:	Date	Time:
		5-13-13	2100
	Lora Bryda	5-13-13	17:14

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Thursday, May 23, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 27-21 44TH
Sample ID#s: BD80732 - BD80737

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 23, 2013

SDG I.D.: GBD80732

BD80734 - The pH in the preserved vial was greater than 2.

BD80735 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80732

Project ID: 27-21 44TH
Client ID: B1 5-8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	58	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	58	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	32	12	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	16	12	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	70	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	51	12	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	23	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	16	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	128		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	90		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	112		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Benz(a)anthracene	680	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(a)pyrene	580	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	700	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(ghi)perylene	410	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Chrysene	820	310	ug/Kg	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Fluoranthene	1600	310	ug/Kg	05/22/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Naphthalene	310	310	ug/Kg	05/22/13	DD	SW 8270
Phenanthrene	1100	310	ug/Kg	05/22/13	DD	SW 8270
Pyrene	1700	310	ug/Kg	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	65		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	111		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 23, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80733

Project ID: 27-21 44TH
Client ID: B2 4-7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	940	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	31000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	940	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	2000	1600	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	9400	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	4000	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	4500	1600	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	1700	1600	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	144		%	05/18/13	R/J	70 - 130 %	3

Project ID: 27-21 44TH
Client ID: B2 4-7

Phoenix I.D.: BD80733

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	109		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Acenaphthylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benz(a)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(a)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(b)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(ghi)perylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(k)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Chrysene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluorene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Naphthalene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Phenanthrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated surrogate recovery was observed for volatiles due to matrix interference.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80734

Project ID: 27-21 44TH
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	10	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	12	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	100	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	100	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	500	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	100	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	14	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	100	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	8.0	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	100	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	20	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	21	20	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	20	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	50	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	20	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	100	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	95		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	101		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Semivolatiles by SIM						
2-Methylnaphthalene	0.98	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthylene	1.1	0.10	ug/L	05/22/13	DD	8270(SIM)
Anthracene	4.3	0.10	ug/L	05/22/13	DD	8270(SIM)
Benz(a)anthracene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(a)pyrene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(b)fluoranthene	13	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(ghi)perylene	7.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Benzo(k)fluoranthene	5.1	0.020	ug/L	05/22/13	DD	8270(SIM)
Chrysene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Dibenz(a,h)anthracene	1.5	0.010	ug/L	05/22/13	DD	8270(SIM)
Fluoranthene	19	0.10	ug/L	05/22/13	DD	8270(SIM)
Fluorene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Indeno(1,2,3-cd)pyrene	5.8	0.020	ug/L	05/22/13	DD	8270(SIM)
Naphthalene	1.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Phenanthrene	14	0.070	ug/L	05/22/13	DD	8270(SIM)
Pyrene	21	0.10	ug/L	05/22/13	DD	8270(SIM)
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	59		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	73		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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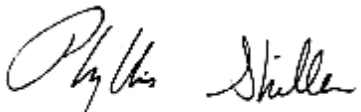

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80735

Project ID: 27-21 44TH
Client ID: GW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	24	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	200	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	200	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	1000	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	200	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	28	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	200	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	16	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	47	40	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	200	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	40	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	40	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	66	40	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	110	40	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	40	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	100	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	40	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	200	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	104		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	105		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthylene	ND	50	ug/L	05/22/13	DD	SW 8270
Anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benz(a)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(a)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(ghi)perylene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Chrysene	ND	50	ug/L	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Fluoranthene	73	50	ug/L	05/22/13	DD	SW 8270
Fluorene	ND	50	ug/L	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Naphthalene	57	50	ug/L	05/22/13	DD	SW 8270
Phenanthrene	51	50	ug/L	05/22/13	DD	SW 8270
Pyrene	69	50	ug/L	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated reporting limits for volatiles due to the presence of non-target compounds.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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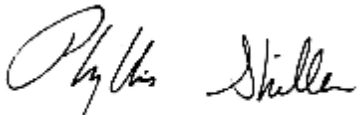

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80736

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	5000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	3000	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	500	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	111		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	102		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80737

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	25	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	109		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	107		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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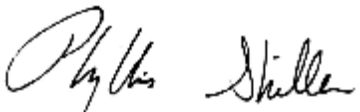

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

May 23, 2013

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 231177, QC Sample No: BD70474 (BD80732, BD80736 (50X) , BD80737)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	108	109	0.9	105	103	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	104	104	0.0	87	92	5.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	106	0.9	111	107	3.7	70 - 130	30	
1,1,2-Trichloroethane	ND	112	111	0.9	105	103	1.9	70 - 130	30	
1,1-Dichloroethane	ND	115	116	0.9	109	108	0.9	70 - 130	30	
1,1-Dichloroethene	ND	120	121	0.8	88	86	2.3	70 - 130	30	
1,1-Dichloropropene	ND	112	111	0.9	108	107	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	102	1.0	103	98	5.0	70 - 130	30	
1,2,3-Trichloropropane	ND	104	103	1.0	98	96	2.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	102	1.0	109	101	7.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	115	113	1.8	111	104	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	100	2.0	94	90	4.3	70 - 130	30	
1,2-Dibromoethane	ND	104	106	1.9	102	100	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	109	107	1.9	108	103	4.7	70 - 130	30	
1,2-Dichloroethane	ND	95	94	1.1	89	88	1.1	70 - 130	30	
1,2-Dichloropropane	ND	112	112	0.0	108	107	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	111	1.8	110	103	6.6	70 - 130	30	
1,3-Dichlorobenzene	ND	112	110	1.8	112	106	5.5	70 - 130	30	
1,3-Dichloropropane	ND	105	107	1.9	104	103	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	111	108	2.7	110	104	5.6	70 - 130	30	
2,2-Dichloropropane	ND	91	109	18.0	98	98	0.0	70 - 130	30	
2-Chlorotoluene	ND	115	115	0.0	112	105	6.5	70 - 130	30	
2-Hexanone	ND	90	88	2.2	56	55	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	111	110	0.9	110	103	6.6	70 - 130	30	
4-Chlorotoluene	ND	112	110	1.8	113	106	6.4	70 - 130	30	
4-Methyl-2-pentanone	ND	105	101	3.9	91	89	2.2	70 - 130	30	
Acetone	ND	105	85	21.1	44	<40	NC	70 - 130	30	m
Acrylonitrile	ND	108	110	1.8	104	102	1.9	70 - 130	30	
Benzene	ND	113	112	0.9	110	109	0.9	70 - 130	30	
Bromobenzene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
Bromochloromethane	ND	95	106	10.9	92	90	2.2	70 - 130	30	
Bromodichloromethane	ND	103	103	0.0	99	97	2.0	70 - 130	30	
Bromoform	ND	109	109	0.0	98	97	1.0	70 - 130	30	
Bromomethane	ND	107	120	11.5	53	64	18.8	70 - 130	30	m
Carbon Disulfide	ND	117	118	0.9	96	95	1.0	70 - 130	30	
Carbon tetrachloride	ND	99	103	4.0	78	92	16.5	70 - 130	30	
Chlorobenzene	ND	111	111	0.0	109	105	3.7	70 - 130	30	
Chloroethane	ND	110	111	0.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	92	111	18.7	86	84	2.4	70 - 130	30	
Chloromethane	ND	108	116	7.1	93	102	9.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	124	122	1.6	117	114	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	106	108	1.9	108	108	0.0	70 - 130	30	
Dibromochloromethane	ND	105	107	1.9	102	99	3.0	70 - 130	30	
Dibromomethane	ND	105	103	1.9	97	97	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	115	118	2.6	97	97	0.0	70 - 130	30	
Ethylbenzene	ND	111	111	0.0	113	108	4.5	70 - 130	30	
Hexachlorobutadiene	ND	100	99	1.0	104	93	11.2	70 - 130	30	
Isopropylbenzene	ND	119	118	0.8	116	110	5.3	70 - 130	30	
m&p-Xylene	ND	115	115	0.0	115	110	4.4	70 - 130	30	
Methyl ethyl ketone	ND	87	86	1.2	51	46	10.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	105	109	3.7	117	118	0.9	70 - 130	30	
Methylene chloride	ND	110	110	0.0	109	107	1.9	70 - 130	30	
Naphthalene	ND	102	102	0.0	101	97	4.0	70 - 130	30	
n-Butylbenzene	ND	110	110	0.0	109	99	9.6	70 - 130	30	
n-Propylbenzene	ND	120	119	0.8	117	110	6.2	70 - 130	30	
o-Xylene	ND	119	119	0.0	117	113	3.5	70 - 130	30	
p-Isopropyltoluene	ND	115	113	1.8	114	106	7.3	70 - 130	30	
sec-Butylbenzene	ND	111	110	0.9	111	104	6.5	70 - 130	30	
Styrene	ND	115	114	0.9	116	112	3.5	70 - 130	30	
tert-Butylbenzene	ND	113	112	0.9	109	103	5.7	70 - 130	30	
Tetrachloroethene	ND	114	114	0.0	111	106	4.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	105	3.7	78	94	18.6	70 - 130	30	
Toluene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	121	123	1.6	115	114	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	107	4.8	104	103	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	118	9.8	105	104	1.0	70 - 130	30	
Trichloroethene	ND	119	114	4.3	106	103	2.9	70 - 130	30	
Trichlorofluoromethane	ND	105	105	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	112	115	2.6	96	95	1.0	70 - 130	30	
Vinyl chloride	ND	118	121	2.5	117	116	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	98	98	0.0	97	96	1.0	70 - 130	30	
% Bromofluorobenzene	96	98	99	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	110	105	107	1.9	83	102	20.5	70 - 130	30	
% Toluene-d8	102	102	101	1.0	102	102	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231008, QC Sample No: BD80191 (BD80734, BD80735)

Semivolatiles - Ground Water

2-Methylnaphthalene	ND	78	79	1.3				30 - 130	20	
Acenaphthene	ND	81	79	2.5				30 - 130	20	
Acenaphthylene	ND	81	81	0.0				30 - 130	20	
Anthracene	ND	82	83	1.2				30 - 130	20	
Benz(a)anthracene	ND	88	87	1.1				30 - 130	20	
Benzo(a)pyrene	ND	86	86	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	96	100	4.1				30 - 130	20	
Benzo(ghi)perylene	ND	90	90	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	97	92	5.3				30 - 130	20	
Chrysene	ND	89	89	0.0				30 - 130	20	
Dibenz(a,h)anthracene	ND	85	85	0.0				30 - 130	20	
Fluoranthene	ND	91	92	1.1				30 - 130	20	
Fluorene	ND	90	90	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	86	86	0.0				30 - 130	20	
Naphthalene	ND	85	86	1.2				30 - 130	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Phenanthrene	ND	85	85	0.0				30 - 130	20	
Pyrene	ND	90	91	1.1				30 - 130	20	
% 2-Fluorobiphenyl	86	82	81	1.2				30 - 130	20	
% Nitrobenzene-d5	94	65	67	3.0				30 - 130	20	
% Terphenyl-d14	105	100	100	0.0				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 231171, QC Sample No: BD80709 (BD80733 (200X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	104	102	1.9	97	98	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	102	1.0	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	93	2.2	99	105	5.9	70 - 130	30	
1,1,2-Trichloroethane	ND	106	105	0.9	100	102	2.0	70 - 130	30	
1,1-Dichloroethane	ND	109	108	0.9	108	107	0.9	70 - 130	30	
1,1-Dichloroethene	ND	115	114	0.9	110	113	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	102	102	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	89	3.3	58	54	7.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	97	96	1.0	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	85	3.5	69	61	12.3	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	106	103	2.9	<40	<40	NC	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	91	96	5.3	90	95	5.4	70 - 130	30	
1,2-Dibromoethane	ND	100	99	1.0	95	98	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	99	96	3.1	44	<40	NC	70 - 130	30	m
1,2-Dichloroethane	ND	91	90	1.1	88	88	0.0	70 - 130	30	
1,2-Dichloropropane	ND	107	106	0.9	104	106	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	105	102	2.9	60	56	6.9	70 - 130	30	m
1,3-Dichlorobenzene	ND	100	97	3.0	84	80	4.9	70 - 130	30	
1,3-Dichloropropane	ND	102	101	1.0	96	98	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	97	95	2.1	75	68	9.8	70 - 130	30	m
2,2-Dichloropropane	ND	97	122	22.8	96	113	16.3	70 - 130	30	
2-Chlorotoluene	ND	107	104	2.8	62	56	10.2	70 - 130	30	m
2-Hexanone	ND	74	72	2.7	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	103	2.9	75	72	4.1	70 - 130	30	
4-Chlorotoluene	ND	101	99	2.0	67	59	12.7	70 - 130	30	m
4-Methyl-2-pentanone	ND	92	94	2.2	57	68	17.6	70 - 130	30	m
Acetone	ND	77	67	13.9	49	53	7.8	70 - 130	30	l,m
Acrylonitrile	ND	99	96	3.1	95	104	9.0	70 - 130	30	
Benzene	ND	109	108	0.9	88	86	2.3	70 - 130	30	
Bromobenzene	ND	103	101	2.0	50	40	22.2	70 - 130	30	m
Bromochloromethane	ND	114	112	1.8	88	112	24.0	70 - 130	30	
Bromodichloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromoform	ND	102	101	1.0	92	96	4.3	70 - 130	30	
Bromomethane	ND	104	113	8.3	112	112	0.0	70 - 130	30	
Carbon Disulfide	ND	112	110	1.8	116	116	0.0	70 - 130	30	
Carbon tetrachloride	ND	100	100	0.0	99	100	1.0	70 - 130	30	
Chlorobenzene	ND	106	103	2.9	70	63	10.5	70 - 130	30	m
Chloroethane	ND	106	104	1.9	109	108	0.9	70 - 130	30	
Chloroform	ND	107	106	0.9	100	104	3.9	70 - 130	30	
Chloromethane	ND	105	110	4.7	107	110	2.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	116	144	21.5	104	103	1.0	70 - 130	30	l
cis-1,3-Dichloropropene	ND	100	101	1.0	91	91	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	102	102	0.0	92	95	3.2	70 - 130	30	
Dibromomethane	ND	100	100	0.0	91	93	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	116	116	0.0	114	117	2.6	70 - 130	30	
Ethylbenzene	ND	107	105	1.9	66	57	14.6	70 - 130	30	m
Hexachlorobutadiene	ND	96	91	5.3	66	67	1.5	70 - 130	30	m
Isopropylbenzene	ND	114	112	1.8	71	64	10.4	70 - 130	30	m
m&p-Xylene	ND	109	106	2.8	63	53	17.2	70 - 130	30	m
Methyl ethyl ketone	ND	71	69	2.9	46	52	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	102	2.0	111	114	2.7	70 - 130	30	
Methylene chloride	ND	104	100	3.9	111	111	0.0	70 - 130	30	
Naphthalene	ND	96	95	1.0	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	<40	<40	NC	70 - 130	30	m
n-Propylbenzene	ND	111	110	0.9	59	50	16.5	70 - 130	30	m
o-Xylene	ND	113	110	2.7	66	59	11.2	70 - 130	30	m
p-Isopropyltoluene	ND	108	105	2.8	67	62	7.8	70 - 130	30	m
sec-Butylbenzene	ND	106	105	0.9	64	59	8.1	70 - 130	30	m
Styrene	ND	108	105	2.8	<40	<40	NC	70 - 130	30	m
tert-Butylbenzene	ND	109	107	1.9	79	78	1.3	70 - 130	30	
Tetrachloroethene	ND	110	109	0.9	104	105	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	97	97	0.0	94	106	12.0	70 - 130	30	
Toluene	ND	106	105	0.9	78	73	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	115	112	2.6	111	109	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	98	3.1	91	89	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	102	7.1	78	80	2.5	70 - 130	30	
Trichloroethene	ND	119	113	5.2	103	103	0.0	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	104	102	1.9	70 - 130	30	
Trichlorotrifluoroethane	ND	111	110	0.9	113	113	0.0	70 - 130	30	
Vinyl chloride	ND	113	115	1.8	108	109	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	97	98	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	112	104	103	1.0	109	111	1.8	70 - 130	30	
% Toluene-d8	102	101	102	1.0	103	101	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231371, QC Sample No: BD80734 (BD80734 (20X) , BD80735 (40X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	84	86	2.4	86	86	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	83	82	1.2	84	82	2.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	83	84	1.2	92	91	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	89	89	0.0	89	86	3.4	70 - 130	30	
1,1-Dichloroethane	ND	85	85	0.0	88	85	3.5	70 - 130	30	
1,1-Dichloroethene	ND	81	80	1.2	85	80	6.1	70 - 130	30	
1,1-Dichloropropene	ND	80	79	1.3	78	76	2.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	86	86	0.0	85	90	5.7	70 - 130	30	
1,2,3-Trichloropropane	ND	82	84	2.4	92	91	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	83	1.2	83	86	3.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	78	80	2.5	78	76	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	82	81	1.2	88	89	1.1	70 - 130	30	
1,2-Dibromoethane	ND	87	89	2.3	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	84	85	1.2	85	84	1.2	70 - 130	30	
1,2-Dichloroethane	ND	89	87	2.3	88	86	2.3	70 - 130	30	
1,2-Dichloropropane	ND	84	85	1.2	87	85	2.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	82	84	2.4	83	81	2.4	70 - 130	30	
1,3-Dichlorobenzene	ND	84	87	3.5	85	84	1.2	70 - 130	30	
1,3-Dichloropropane	ND	83	85	2.4	90	91	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	84	86	2.4	84	83	1.2	70 - 130	30	
2,2-Dichloropropane	ND	58	57	1.7	52	52	0.0	70 - 130	30	l,m
2-Chlorotoluene	ND	87	88	1.1	85	85	0.0	70 - 130	30	
2-Hexanone	ND	85	82	3.6	89	82	8.2	70 - 130	30	
2-Isopropyltoluene	ND	84	85	1.2	85	83	2.4	70 - 130	30	
4-Chlorotoluene	ND	84	86	2.4	85	85	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	89	91	2.2	91	91	0.0	70 - 130	30	
Acetone	ND	77	77	0.0	64	56	13.3	70 - 130	30	m
Acrylonitrile	ND	87	86	1.2	89	87	2.3	70 - 130	30	
Benzene	ND	80	81	1.2	79	77	2.6	70 - 130	30	
Bromobenzene	ND	86	88	2.3	87	86	1.2	70 - 130	30	
Bromochloromethane	ND	88	86	2.3	92	88	4.4	70 - 130	30	
Bromodichloromethane	ND	86	86	0.0	87	86	1.2	70 - 130	30	
Bromoform	ND	89	91	2.2	90	89	1.1	70 - 130	30	
Bromomethane	ND	91	94	3.2	66	70	5.9	70 - 130	30	m
Carbon Disulfide	ND	71	71	0.0	90	85	5.7	70 - 130	30	
Carbon tetrachloride	ND	81	82	1.2	72	74	2.7	70 - 130	30	
Chlorobenzene	ND	85	86	1.2	86	84	2.4	70 - 130	30	
Chloroethane	ND	81	82	1.2	89	83	7.0	70 - 130	30	
Chloroform	ND	87	86	1.2	90	85	5.7	70 - 130	30	
Chloromethane	ND	82	83	1.2	89	83	7.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	86	86	0.0	90	83	8.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	82	82	0.0	80	80	0.0	70 - 130	30	
Dibromochloromethane	ND	84	85	1.2	88	89	1.1	70 - 130	30	
Dibromomethane	ND	88	88	0.0	90	87	3.4	70 - 130	30	
Dichlorodifluoromethane	ND	76	76	0.0	80	75	6.5	70 - 130	30	
Ethylbenzene	ND	79	81	2.5	83	80	3.7	70 - 130	30	
Hexachlorobutadiene	ND	75	78	3.9	76	76	0.0	70 - 130	30	
Isopropylbenzene	ND	83	86	3.6	84	81	3.6	70 - 130	30	
m&p-Xylene	ND	80	81	1.2	84	80	4.9	70 - 130	30	
Methyl ethyl ketone	ND	89	88	1.1	98	90	8.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	76	77	1.3	90	91	1.1	70 - 130	30	
Methylene chloride	ND	83	83	0.0	92	87	5.6	70 - 130	30	
Naphthalene	ND	82	81	1.2	95	89	6.5	70 - 130	30	
n-Butylbenzene	ND	82	84	2.4	80	79	1.3	70 - 130	30	
n-Propylbenzene	ND	82	85	3.6	82	80	2.5	70 - 130	30	
o-Xylene	ND	87	88	1.1	85	82	3.6	70 - 130	30	
p-Isopropyltoluene	ND	82	84	2.4	82	80	2.5	70 - 130	30	
sec-Butylbenzene	ND	81	83	2.4	83	80	3.7	70 - 130	30	
Styrene	ND	88	89	1.1	87	84	3.5	70 - 130	30	
tert-Butylbenzene	ND	84	86	2.4	83	82	1.2	70 - 130	30	
Tetrachloroethene	ND	78	79	1.3	79	78	1.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	89	0.0	96	92	4.3	70 - 130	30	
Toluene	ND	83	83	0.0	84	80	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	84	83	1.2	87	82	5.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	81	82	1.2	81	80	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	72	78	8.0	73	73	0.0	70 - 130	30	
Trichloroethene	ND	84	84	0.0	84	82	2.4	70 - 130	30	
Trichlorofluoromethane	ND	78	77	1.3	82	78	5.0	70 - 130	30	
Trichlorotrifluoroethane	ND	74	72	2.7	78	74	5.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	86	85	1.2	87	79	9.6	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	100	101	1.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	99	102	100	2.0	103	100	3.0	70 - 130	30
% Toluene-d8	101	101	102	1.0	98	99	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231017, QC Sample No: BD80840 (BD80732, BD80733)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	70	69	1.4	72	76	5.4	30 - 130	30
Acenaphthylene	ND	74	76	2.7	74	79	6.5	30 - 130	30
Anthracene	ND	76	75	1.3	76	78	2.6	30 - 130	30
Benz(a)anthracene	ND	80	76	5.1	77	81	5.1	30 - 130	30
Benzo(a)pyrene	ND	75	73	2.7	77	81	5.1	30 - 130	30
Benzo(b)fluoranthene	ND	81	84	3.6	85	93	9.0	30 - 130	30
Benzo(ghi)perylene	ND	92	90	2.2	90	88	2.2	30 - 130	30
Benzo(k)fluoranthene	ND	86	79	8.5	91	94	3.2	30 - 130	30
Chrysene	ND	75	74	1.3	93	84	10.2	30 - 130	30
Dibenz(a,h)anthracene	ND	86	86	0.0	87	89	2.3	30 - 130	30
Fluoranthene	ND	77	74	4.0	83	86	3.6	30 - 130	30
Fluorene	ND	76	77	1.3	80	83	3.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	88	86	2.3	91	88	3.4	30 - 130	30
Naphthalene	ND	77	75	2.6	78	83	6.2	30 - 130	30
Phenanthrene	ND	80	78	2.5	79	82	3.7	30 - 130	30
Pyrene	ND	75	74	1.3	85	87	2.3	30 - 130	30
% 2-Fluorobiphenyl	68	69	69	0.0	76	81	6.4	30 - 130	30
% Nitrobenzene-d5	62	61	61	0.0	63	67	6.2	30 - 130	30
% Terphenyl-d14	80	80	78	2.5	94	96	2.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 23, 2013

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	1600	210	210	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	1600	900	900	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BD80733	$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31000	50	50	ug/Kg
BD80733	$8260MAR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	50	50	ug/Kg
BD80733	$8260MAR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	190	190	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	270	270	ug/Kg
BD80733	$8260MAR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	250	250	ug/Kg
BD80733	$8260MAR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	9400	120	120	ug/Kg
BD80733	$8260MAR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	370	370	ug/Kg
BD80733	$8260MAR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	680	680	ug/Kg
BD80733	$8260MAR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3100	930	930	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Residential	ND	1600	1400	1400	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	760	760	ug/Kg
BD80733	$8260MAR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	60	60	ug/Kg
BD80733	$8260MAR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	470	470	ug/Kg
BD80733	$8260MAR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	700	700	ug/Kg
BD80733	$8260MAR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1300	1300	ug/Kg
BD80733	$8260MAR	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1000	1000	ug/Kg
BD80733	$8260MAR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	1600	3900	3900	ug/Kg
BD80733	$8260MAR	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	260	260	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	800	800	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	330	330	ug/Kg

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	330	330	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	330	330	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BD80736	$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BD80736	$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BD80736	$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BD80736	$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BD80736	$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BD80736	$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 23, 2013

SDG I.D.: GBD80732

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

4°W/ice+TP Temp Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email:

Customer: EBC
Address: 1808 Middle Country Road Ridge, NY

Project: 27-21 44th Drive
Report to: EBC
Invoice to:

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5-17-13

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP51 List	Soil Vial H2O	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
80732	B1 (5-8)	S	5-17-13		X	X		2	1	1							
80733	B2 (4-7)	S	"		"	"		2	1	1							
80734	GW1	GW	"		"	"					3	1					
80735	GW2	GW	"		"	"					3	1					
80736	Trip Blank w/ Above							1									
80737	TB Low level							2									

Relinquished by:	Accepted by:	Date:	Time:
[signature] for RS	[signature]	5-17-13	12:00
	Cparadise	5/17/13	1500

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

APPENDIX D- ENVIRONMENTAL DATA RESOURCES INC. ™ REPORT

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.2s
December 02, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

44-18 PURVES STREET
LONG ISLAND CITY, NY 11101

COORDINATES

Latitude (North):	40.7467000 - 40˚ 44' 48.12''
Longitude (West):	73.9415000 - 73˚ 56' 29.40''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589364.6
UTM Y (Meters):	4510966.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

NY HIST LTANKS ---------- Listing of Leaking Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS ---------- Storage Tank Faciliy Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY RES DECL ---------- Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ---------- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
NY SWRCY	Registered Recycling Facility List
NY SWTIRE	Registered Waste Tire Storage & Facility List
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
NY DEL SHWS	Delisted Registry Sites
US HIST CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information
NY LIENS	Spill Liens Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
NY Hist Spills	SPILLS Database
NY SPILLS 90	SPILLS 90 data from FirstSearch
NY SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY HSWDS	Hazardous Substance Waste Disposal Site Inventory
NY UIC	Underground Injection Control Wells
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing

LEAD SMELTERS ---------- Lead Smelter Sites
2020 COR ACTION ---------- 2020 Corrective Action Program List
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PRP ---------- Potentially Responsible Parties
PCB TRANSFORMER ---------- PCB Transformer Registration Database
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
COAL ASH DOE ---------- Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 07/11/2013 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTIVE STEEL DRUM CO INC	***52-30 34TH ST***	***SSE 1/2 - 1 (0.748 mi.)***	***237***	***751***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
KOSAN INDUSTRIAL CORP	***5-49 49TH AVE***	***W 1/2 - 1 (0.599 mi.)***	***234***	***704***
CON EDISON - RAVENSWOOD TUNNEL	***3854 VERNON BLVD NW COR***	***N 1/2 - 1 (0.857 mi.)***	***AS241***	***840***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROCKROSE CONSTRUCTION CORP	43-29 CRESCENT ST	NNW 1/8 - 1/4 (0.142 mi.)	N93	220
GOTHAM CENTER TOWER B-2	42-01 28TH STREET	NNE 1/8 - 1/4 (0.242 mi.)	AH177	491

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COURT SQUARE	***45-18 COURT SQ***	***WSW 0 - 1/8 (0.103 mi.)***	***H52***	***101***
MTA NYCT 11TH STREET & JACKSON	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J85	203
MTA NYCT - VENT PLANT 6406-7	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J86	205
KOREA NEWS	***42-22 27TH ST***	***NNE 1/8 - 1/4 (0.214 mi.)***	***W148***	***350***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - VENT PLANT 5103	HUNTER ST & 43RD AVE	N 0 - 1/8 (0.107 mi.)	G57	121

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 8 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIRR - HUNTERS POINT YARD	***SKILLMAN AVE & 27TH ST***	***SSE 1/8 - 1/4 (0.170 mi.)***	***115***	***265***
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
SUBACCHI FURNITYRE-46-24 28TH	***46-24 28TH STREET***	***SSE 1/8 - 1/4 (0.216 mi.)***	***152***	***373***
IDEAL LABEL INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC162***	***423***
LAGUARDIA COMMUNITY COLLEGE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD165***	***443***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAGLE ELECTRIC MANUFACTURING C	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M78***	***159***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCT - FLUSHING AVENUE LINE (#	***DAVIS & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB156***	***390***

State- and tribal - equivalent CERCLIS

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

A review of the NY SHWS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 14 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILSON HANLEY, INC.	***21-11 44TH AVENUE***	***NW 1/4 - 1/2 (0.326 mi.)***	***195***	***540***
FRESH CLEANERS & LAUNDRY INC	***39-26 30TH ST***	***NE 1/2 - 1 (0.576 mi.)***	***233***	***688***
AMTRAK SUNNYSIDE YARD	***39-29 HONEYWELL STREET***	***NE 1/2 - 1 (0.620 mi.)***	***235***	***710***
Class Code: Significant threat to the public health or environment - action required.				
D D K PRO CLEANERS	***38-68 13TH ST***	***N 1/2 - 1 (0.712 mi.)***	***236***	***723***
JUNG SUN LAUNDRY SITE	***37-10 24TH STREET***	***NNE 1/2 - 1 (0.794 mi.)***	***238***	***759***
Class Code: Significant threat to the public health or environment - action required.				
STANDARD MOTOR PRODUCTS INC	***37-18 NORTHERN BLVD SIT***	***ENE 1/2 - 1 (0.898 mi.)***	***AT242***	***864***
Class Code: Significant threat to the public health or environment - action required.				
LEVCO METALS PROPERTY	***34-11 36TH STREET***	***NE 1/2 - 1 (0.959 mi.)***	***246***	***899***
KAUFMAN ASTORIA STUDIOS	***34-12 36TH ST***	***NE 1/2 - 1 (0.966 mi.)***	***247***	***907***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL RUBBER & BACKING CORP	***38-31 9TH ST***	***N 1/2 - 1 (0.834 mi.)***	***239***	***762***
Class Code: Significant threat to the public health or environment - action required.				
RAVENSWOOD POWER STATION	***38-54 VERNON BOULEVARD***	***N 1/2 - 1 (0.856 mi.)***	***AS240***	***781***
S & G WOODWORKING INC	***1155 MANHATTAN AVE - MA***	***SW 1/2 - 1 (0.944 mi.)***	***244***	***894***
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	S 1/2 - 1 (0.951 mi.)	245	898
FORMER NEY SMELTING AND REFINI	269 FREEMAN STREET	SSW 1/2 - 1 (0.981 mi.)	248	924
460 KINGSLAND AVENUE LLC	***460 KINGSLAND AVE***	***S 1/2 - 1 (0.991 mi.)***	***249***	***927***

NY VAPOR REOPENED: "Vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying or adjacent buildings. The subsurface source can either be contaminated groundwater or contaminated soil which releases vapors into the pore spaces in the soil. Improvements in analytical techniques and knowledge gained from site investigations in New York and other states has led to an increased awareness of soil vapor as a medium of concern and of the potential for exposures from the soil vapor intrusion pathway. Based on this additional information, New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

A review of the NY VAPOR REOPENED list, as provided by EDR, and dated 01/01/2013 has revealed that

there is 1 NY VAPOR REOPENED site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STANDARD MOTOR PRODUCTS, INC.	***37-18 NORTHERN BOULEVA***	***RENE 1/2 - 1 (0.898 mi.)***	***AT243***	***893***

State and tribal landfill and/or solid waste disposal site lists

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

A review of the NY SWF/LF list, as provided by EDR, and dated 10/08/2013 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
C&H SAND AND STONE; CORP.	***21-16 JACKSON AVENUE***	***WSW 1/4 - 1/2 (0.343 mi.)***	***AL200***	***553***
UNITED WASTE REMOVAL;INC.	2116 JACKSON AVENUE	WSW 1/4 - 1/2 (0.344 mi.)	AL201	555

State and tribal leaking storage tank lists

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

A review of the NY LTANKS list, as provided by EDR, and dated 09/25/2013 has revealed that there are 45 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COURT PLAZA	5 COURT SQUARE	WSW 0 - 1/8 (0.124 mi.)	H73	148
Spill Number/Closed Date: 1000528 / Not Reported				
42-64 HUNTER STREET	42-64 HUNTER STREET	NNE 1/8 - 1/4 (0.131 mi.)	L82	196
Spill Number/Closed Date: 9310213 / 11/22/1993				
SPILL NUMBER 0303917	26-32 SKILLMAN AVE	S 1/8 - 1/4 (0.187 mi.)	U131	313
Spill Number/Closed Date: 0209560 / 2/17/2006				
Spill Number/Closed Date: 0303917 / 1/7/2004				
MID TOWN OPERATING COMPANY TTF	42-50 24TH ST	NNW 1/8 - 1/4 (0.222 mi.)	Z154	387
Spill Number/Closed Date: 0911288 / 1/21/2010				
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***
Spill Number/Closed Date: 9600688 / 5/27/2003				
ON SIDEWALK	47-15 PEARSON PL	SSW 1/4 - 1/2 (0.263 mi.)	AJ188	510
Spill Number/Closed Date: 0110585 / 7/31/2003				
J MANHEIMER INC	***47-22 PEARSON PL***	***SSW 1/4 - 1/2 (0.275 mi.)***	***AJ190***	***513***
Spill Number/Closed Date: 9206718 / 7/29/1993				
CONDEA SUPPLY CORP	21-21 44TH RD	WNW 1/4 - 1/2 (0.280 mi.)	191	517
Spill Number/Closed Date: 0306979 / 6/21/2006				
FALIDAS ASSCOCIATES	***25-01 QUEENS PLAZA N***	***NNE 1/4 - 1/2 (0.302 mi.)***	***192***	***518***
SPILL NUMBER 0012047	21ST ST/44TH RD	WNW 1/4 - 1/2 (0.330 mi.)	198	551
Spill Number/Closed Date: 0012047 / 10/30/2003				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA GUARDIA COMMUNITY COLLEGE	***31-10 THOMSON AVE***	***ESE 1/4 - 1/2 (0.352 mi.)***	***202***	***556***
Spill Number/Closed Date: 0110443 / 1/31/2002				
OFFICE BUILDING	29-27 NORTHERN BLVD	NE 1/4 - 1/2 (0.361 mi.)	203	570
Spill Number/Closed Date: 0612458 / 2/16/2007				
GETTY #344	***31-05 QUEENS BOULEVARD***	***E 1/4 - 1/2 (0.379 mi.)***	***AM204***	***571***
Spill Number/Closed Date: 0612273 / 2/8/2007				
GETTY S/S #344 - GETTY PROPERT	***31-05 QUEENS BLVD***	***E 1/4 - 1/2 (0.379 mi.)***	***AM205***	***596***
Spill Number/Closed Date: 9909630 / 12/2/2004				
Spill Number/Closed Date: 0009849 / 1/5/2007				
BLACK BEAR COMPANY	27-10 HUNTERS POINT AVE	S 1/4 - 1/2 (0.398 mi.)	206	605
Spill Number/Closed Date: 0501474 / 8/16/2005				
LOVOUR HOME	2512 41ST AVE	NNE 1/4 - 1/2 (0.399 mi.)	AN207	606
Spill Number/Closed Date: 0700688 / 2/17/2010				
APRT	2403 41ST AVE	NNE 1/4 - 1/2 (0.417 mi.)	AO208	608
Spill Number/Closed Date: 0711618 / 4/2/2008				
CLOSED-LACKOF RECENT INFO	40-40 CRESCENT ST	NNE 1/4 - 1/2 (0.419 mi.)	AN209	609
Spill Number/Closed Date: 9105613 / 3/14/2003				
24-03 41ST AVE	***24-03 41ST AVE***	***NNE 1/4 - 1/2 (0.420 mi.)***	***AO210***	***610***
Spill Number/Closed Date: 8709565 / 2/25/1993				
MANHOLE 14413	***QUEENS PLAZA NORTH***	***NNW 1/4 - 1/2 (0.421 mi.)***	***211***	***614***
Spill Number/Closed Date: 0100062 / 6/16/2003				
STRUCTURAL DISPLAY CO., INC	12-12 23RD AVENUE	NW 1/4 - 1/2 (0.425 mi.)	212	616
Spill Number/Closed Date: 9814023 / 9/5/2012				
INTERNATIONAL MASONRY INS	12-07 44TH AVE	WNW 1/4 - 1/2 (0.428 mi.)	213	625
Spill Number/Closed Date: 0103153 / 3/31/2006				
GULF MOKIN GAS	***23-01 41ST AVE***	***N 1/4 - 1/2 (0.437 mi.)***	***216***	***629***
Spill Number/Closed Date: 0308076 / 1/7/2004				
Spill Number/Closed Date: 0808735 / 8/28/2009				
32-32 QUEENS BLVD/SUNOCO	32-32 QUEENS BLVD	ESE 1/4 - 1/2 (0.453 mi.)	218	634
Spill Number/Closed Date: 8905358 / Not Reported				
MONARCH CONSTUCTION	11-17 43RD AVE	NW 1/4 - 1/2 (0.455 mi.)	219	638
Spill Number/Closed Date: 9516355 / 3/20/1996				
32-00 SKILLMAN AVE	32-00 SKILLMAN AVE	E 1/4 - 1/2 (0.460 mi.)	AP221	645
Spill Number/Closed Date: 0302379 / 7/29/2005				
CLOSED-LACKOF RECENT INFO	***32-00 SKILLMAN AVE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP222***	***646***
Spill Number/Closed Date: 9207976 / 3/6/2003				
SPILL NUMBER 0103168	***10-20 44TH RD***	***WNW 1/4 - 1/2 (0.465 mi.)***	***AQ223***	***651***
Spill Number/Closed Date: 0103168 / 8/27/2002				
10-22 44TH RD	10-22 44TH ROAD	WNW 1/4 - 1/2 (0.465 mi.)	AQ224	667
Spill Number/Closed Date: 9411116 / 1/20/1995				
NYCTA - SUPERIOR REED BLDG	***29-50 NORTHERN BLVD***	***NE 1/4 - 1/2 (0.473 mi.)***	***225***	***669***
Spill Number/Closed Date: 9100729 / 11/30/2000				
RESIDANCE	1120 43RD ROAD	NW 1/4 - 1/2 (0.473 mi.)	AR226	672
Spill Number/Closed Date: 0708879 / 12/19/2007				
X	11-20 43RD RD	NW 1/4 - 1/2 (0.473 mi.)	AR227	674
Spill Number/Closed Date: 0210116 / 2/28/2006				
COMMERCIAL BUILDING	40-23 24TH ST'	NNE 1/4 - 1/2 (0.478 mi.)	229	683
Spill Number/Closed Date: 0506977 / 1/5/2006				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
43-41 32ND PLACE Spill Number/Closed Date: 9303078 / 6/25/1993	43-41 32ND PLACE	E 1/4 - 1/2 (0.481 mi.)	AP230	684
KAL REALTY Spill Number/Closed Date: 9806658 / 6/15/2005	29-24 40TH AVE	NE 1/4 - 1/2 (0.497 mi.)	231	685
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8709369 / 3/13/2003	29024 40TH AVENUE	NE 1/4 - 1/2 (0.499 mi.)	232	687

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0105318 Spill Number/Closed Date: 0105318 / 6/30/2003	***43-09 HUNTERS STREET***	***NNW 0 - 1/8 (0.101 mi.)***	***F47***	***94***
TAXI STAND Spill Number/Closed Date: 0713239 / 4/22/2008	22-10 JACKSON AVE	WSW 1/4 - 1/2 (0.316 mi.)	194	538
47-20 30TH ST Spill Number/Closed Date: 8708435 / 11/2/1992	47-20 30TH ST	SE 1/4 - 1/2 (0.327 mi.)	AK196	545
I G FEDERAL ELECTRICAL SUPPLY Spill Number/Closed Date: 0110569 / 3/1/2002	***47-20 30TH ST***	***SE 1/4 - 1/2 (0.327 mi.)***	***AK197***	***546***
ST. FRANCIS OF ASSISI Spill Number/Closed Date: 8704696 / 1/25/1989	45-02 21ST AVE.	W 1/4 - 1/2 (0.338 mi.)	199	552
ANDREA ELECTRONICS Spill Number/Closed Date: 9709895 / 12/17/2002	***11-40 45TH DRIVE***	***W 1/4 - 1/2 (0.432 mi.)***	***214***	***626***
11-15 45TH AVENUE Spill Number/Closed Date: 9402499 / 5/20/1994	11-15 45TH AVENUE	W 1/4 - 1/2 (0.437 mi.)	215	628
SPILL NUMBER 0208486 Spill Number/Closed Date: 0208486 / 11/17/2003	23-30 50TH AVE	SSW 1/4 - 1/2 (0.453 mi.)	217	632
THYPIN STEEL Spill Number/Closed Date: 9312128 / 1/14/1994	***49-49 30TH STREET***	***SSE 1/4 - 1/2 (0.474 mi.)***	***228***	***675***

State and tribal registered storage tank lists

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

A review of the NY UST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 16 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAB MANAGEMENT CORP	27-34 JACKSON AVENUE	NE 0 - 1/8 (0.112 mi.)	E62	129
CITICORP AT COURT SQUARE	25-01 JACKSON AVENUE	WSW 0 - 1/8 (0.123 mi.)	H70	140
43-00 CRESCENT ST.	***43-00 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N102***	***239***
21-45 44TH DRIVE	21-45 44TH DRIVE	WNW 1/8 - 1/4 (0.167 mi.)	O109	255
SATT REALTY CORP.	***26-32 SKILLMAN AVENUE***	***S 1/8 - 1/4 (0.187 mi.)***	***U130***	***309***
BAGWIN BROTHERS SERVICE CENTER	42-37 CRESCENT STREET	N 1/8 - 1/4 (0.198 mi.)	X140	333
PARKING LOT	***23-14 44TH ROAD***	***NW 1/8 - 1/4 (0.202 mi.)***	***144***	***339***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE169***	***468***
GANDER & WHITE SHIPPING, INC.	***21-44 44TH ROAD***	***WNW 1/8 - 1/4 (0.231 mi.)***	***170***	***474***
KRK EXPEDITING CO INC	42-21 CRESCENT ST	N 1/8 - 1/4 (0.235 mi.)	AG173	482

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIDTOWN OPERATING CORP	42-50 24TH STREET	N 1/8 - 1/4 (0.238 mi.)	Z176	487
42-15 CRESENT ST	42-15 CRESCENT STREET	N 1/8 - 1/4 (0.245 mi.)	AG184	505

Lower Elevation	Address	Direction / Distance	Map ID	Page
GASGO PETROLEUM INC	27-01 JACKSON AVENUE	NNE 0 - 1/8 (0.060 mi.)	D35	57
CITYWIDE SELF STORAGE	45-55 PEARSON STREET	SW 1/8 - 1/4 (0.171 mi.)	Q117	273
GAP REALTY CO	***45-56 PEARSON ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***135***	***322***
FORDHAM ROAD CONCRETE	47-17 27TH STREET	SSE 1/8 - 1/4 (0.245 mi.)	AI181	497

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 25 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LONG ISLAND CITY COURTHOUSE	25-10 COURTHOUSE SQUARE	W 0 - 1/8 (0.078 mi.)	37	67
MINI M,ICRO SUPPLI INC	27-35 JACKSON AVE	NE 0 - 1/8 (0.109 mi.)	E61	126
CAB MANAGEMENT CORP	27-34 JACKSON AVENUE	NE 0 - 1/8 (0.112 mi.)	E63	131
CITICORP AT COURT SQUARE	25-01 JACKSON AVENUE	WSW 0 - 1/8 (0.123 mi.)	H68	137
5 COURT SQUARE	***5 COURT SQUARE***	***WSW 0 - 1/8 (0.124 mi.)***	***H72***	***144***
2415 44TH ROAD LLC	***43-32 CRESCENT STREET***	***NNW 1/8 - 1/4 (0.140 mi.)***	***N90***	***210***
KATT CORPORATION	43-29 CRESCENT STREET	NNW 1/8 - 1/4 (0.142 mi.)	N94	221
TWO COURT SQUARE	23-21 44 DRIVE	WNW 1/8 - 1/4 (0.143 mi.)	O95	224
4308 CRESCENT STREET	4308 CRESCENT STREET	NNW 1/8 - 1/4 (0.151 mi.)	N99	230
2415 44TH ROAD LLC	24-15 44TH ROAD	NW 1/8 - 1/4 (0.156 mi.)	P105	248
RML CO.	***24-20 JACKSON AVENUE***	***WSW 1/8 - 1/4 (0.171 mi.)***	***R120***	***281***
EAGLE ELECTRIC MFG CO INC	***43-35 24TH STREET***	***NNW 1/8 - 1/4 (0.180 mi.)***	***126***	***302***
MORBECK CORP	***24-15 43 AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***132***	***315***
STAR JOURNAL BUILDING	42-26 28TH STREET	NNE 1/8 - 1/4 (0.194 mi.)	137	329
BRANCO LEATHER INC	***44-02 23RD ST***	***NW 1/8 - 1/4 (0.216 mi.)***	***151***	***370***
KASSABIAN REALTY LLC	***43-10 23RD ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC161***	***420***
LAGUARDIA COMMUNITY COLLEGE	29-10 THOMSON AVENUE	ESE 1/8 - 1/4 (0.228 mi.)	AD166	453
23-10 43TH AVE	***23-10 43TH AVE***	***NNW 1/8 - 1/4 (0.231 mi.)***	***AF171***	***477***
42-15 CRESENT ST	42-15 CRESCENT STREET	N 1/8 - 1/4 (0.245 mi.)	AG183	503
TWO GOTHAM CENTER	42-09 28TH ST	NNE 1/8 - 1/4 (0.245 mi.)	AH185	507

Lower Elevation	Address	Direction / Distance	Map ID	Page
45-30 COURT SQUARE	***45-30 COURT SQUARE***	***SW 1/8 - 1/4 (0.128 mi.)***	***M79***	***187***
EAGLE ELECTRIC MFG CO INC	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M81***	***192***
45-17 PEARSON ST 45-18 CRT SQ	***45-17 PEARSON ST (45-18***	***SW 1/8 - 1/4 (0.166 mi.)***	***Q108***	***250***
CITYWIDE SELF STORAGE	45-55 PEARSON STREET	SW 1/8 - 1/4 (0.171 mi.)	Q118	277
46-20 27TH STREET LLC	46-20 27TH STREET	SSE 1/8 - 1/4 (0.199 mi.)	Y143	337

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

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 NY CBS AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
44-43 PURVES ST	*44-43 PURVES ST*	*ESE 0 - 1/8 (0.040 mi.)*	*A9*	*14*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
EAGLE ELECTRIC MANUFACTURING C	*45-31 COURT SQ*	*SW 1/8 - 1/4 (0.128 mi.)*	*M78*	*159*
ANTHONY CONCRETE	*47-17 27TH ST*	*SSE 1/8 - 1/4 (0.245 mi.)*	*AI180*	*495*

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 3 NY CBS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
44-43 PURVES ST	*44-43 PURVES ST*	*ESE 0 - 1/8 (0.040 mi.)*	*A9*	*14*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
EAGLE ELECTRIC MANUFACTURING C	*45-31 COURT SQ*	*SW 1/8 - 1/4 (0.128 mi.)*	*M78*	*159*
ANTHONY CONCRETE	*47-17 27TH ST*	*SSE 1/8 - 1/4 (0.245 mi.)*	*AI180*	*495*

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
21-16 44TH RD	*21-16 44TH RD*	*WNW 1/4 - 1/2 (0.306 mi.)*	*193*	*524*

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
21-16 44TH RD	*21-16 44TH RD*	*WNW 1/4 - 1/2 (0.306 mi.)*	*193*	*524*

State and tribal voluntary cleanup sites

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

A review of the NY VCP list, as provided by EDR, and dated 11/13/2013 has revealed that there are 3 NY VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OUTLET CITY, QUEENS BLVD. & JA	QUEENS BLVD. & JACKSON	NE 1/4 - 1/2 (0.268 mi.)	189	511
21-16 44TH RD	***21-16 44TH RD***	***WNW 1/4 - 1/2 (0.306 mi.)***	***193***	***524***
CLOSED-LACKOF RECENT INFO	***32-00 SKILLMAN AVE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP222***	***646***

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 2 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUEENS PLAZA RESIDENTIAL DEVEL	28-10 JACKSON AVENUE	NE 1/8 - 1/4 (0.193 mi.)	V133	321
SWINGSTELL, LLC	***32-00 SKILLMAN AVENUE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP220***	***639***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 7 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
43-00 CRESCENT ST.	***43-00 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N102***	***239***
SATT REALTY CORP.	***26-32 SKILLMAN AVENUE***	***S 1/8 - 1/4 (0.187 mi.)***	***U130***	***309***
PARKING LOT	***23-14 44TH ROAD***	***NW 1/8 - 1/4 (0.202 mi.)***	***144***	***339***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE169***	***468***
GANDER & WHITE SHIPPING, INC.	***21-44 44TH ROAD***	***WNW 1/8 - 1/4 (0.231 mi.)***	***170***	***474***
42-15 CRESENT ST	42-15 CRESCENT ST	N 1/8 - 1/4 (0.245 mi.)	AG182	501

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAP REALTY CO	***45-56 PEARSON ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***135***	***322***

Records of Emergency Release Reports

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

A review of the NY Spills list, as provided by EDR, and dated 09/25/2013 has revealed that there are 17 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANHOLE # 514 Spill Number/Closed Date: 0003644 / 9/27/2001	44-27 PERVES ST	ESE 0 - 1/8 (0.034 mi.)	A4	10
COMMERCIAL LOT Spill Number/Closed Date: 0706566 / 10/17/2007	44 -15 PURVIS STREET	NE 0 - 1/8 (0.038 mi.)	A6	11
44-43 PURVES ST Spill Number/Closed Date: 9713189 / 5/14/1998	***44-43 PURVES ST***	***ESE 0 - 1/8 (0.040 mi.)***	***A9***	***14***
VAULT#3073 Spill Number/Closed Date: 0506520 / 1/10/2008	2740 THOMASON AVE	S 0 - 1/8 (0.046 mi.)	B17	26
SPILL NUMBER 0208224 Spill Number/Closed Date: 0208224 / 11/8/2002	JACKSON AV & 44TH DR	WNW 0 - 1/8 (0.057 mi.)	C33	54
MANHOLE # 2353 Spill Number/Closed Date: 0409173 / 1/13/2005	JACKSON VAE/DUTCHKILL S	NNE 0 - 1/8 (0.089 mi.)	E40	76
43-40 COURT SQUARE / QUEE Spill Number/Closed Date: 8702187 / 6/17/1987	43-40 COURT SQUARE	WSW 0 - 1/8 (0.107 mi.)	H58	122
DUTCH KILL/SCRAP YARD Spill Number/Closed Date: 9204680 / 7/23/1992	DUTCH KILL	ESE 0 - 1/8 (0.113 mi.)	64	133
MINI MICRO Spill Number/Closed Date: 0108045 / 11/14/2001	27-35 JACKSON AVE	NNE 0 - 1/8 (0.121 mi.)	I67	135
1 COURT SQUARE Spill Number/Closed Date: 9110791 / 1/17/1992	1 COURT SQUARE	WSW 0 - 1/8 (0.123 mi.)	H69	139
MANHOLE 4440 Spill Number/Closed Date: 9901252 / 1/7/2000	4327 QUEENS ST	ENE 0 - 1/8 (0.124 mi.)	K71	143

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONED MANHOLE#515 Spill Number/Closed Date: 0405105 / 10/23/2006	PURVES STREET/JACKSON	N 0 - 1/8 (0.051 mi.)	D27	44
COMMERCIAL AREA Spill Number/Closed Date: 0405305 / 10/28/2004	PERVES ST/ OF JACKSON A	N 0 - 1/8 (0.053 mi.)	D29	48
RESIDENTS Spill Number/Closed Date: 0208454 / 9/29/2003	10-33 JACKSON AVE	N 0 - 1/8 (0.055 mi.)	D30	49
GASGO Spill Number/Closed Date: 9913082 / Not Reported	27-01 JACKSON AVE	NNE 0 - 1/8 (0.079 mi.)	38	70
SPILL NUMBER 0105318 Spill Number/Closed Date: 9809062 / 10/21/1998	***43-09 HUNTERS STREET***	***NNW 0 - 1/8 (0.101 mi.)***	***F47***	***94***
49 HUNTER PLACE/S.I. Spill Number/Closed Date: 9011053 / 1/17/1991	49 HUNTER PLACE	NNW 0 - 1/8 (0.101 mi.)	F49	99

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 35 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
S N B INC	***44-16 PURVES ST***	***E 0 - 1/8 (0.030 mi.)***	***A2***	***8***
A A A STAMP & SEAL	***26-20 JACKSON AVE***	***N 0 - 1/8 (0.041 mi.)***	***D12***	***18***
A-1 AUTO COLLISION INC	***2831 THOMSON AVE***	***SSE 0 - 1/8 (0.045 mi.)***	***B16***	***23***
NYCTA	***44TH DR & JACKSON AVE***	***WNW 0 - 1/8 (0.057 mi.)***	***C34***	***55***
NYSDOT - THOMSON AVENUE BRIDGE	***JACKSON AVE & DUTCH KIL***	***NNE 0 - 1/8 (0.089 mi.)***	***E41***	***77***
NYCT - COURT SQUARE STA G LINE	***JACKSON ST & COURT SQ***	***W 1/8 - 1/4 (0.134 mi.)***	***J84***	***197***
KENT BRAGALINE INC	***27-45 JACKSON AVE***	***NE 1/8 - 1/4 (0.135 mi.)***	***I89***	***208***
AEROSOURCE INC	***25-19 43RD AVE***	***NNW 1/8 - 1/4 (0.151 mi.)***	***N98***	***227***
FEDERAL PACIFIC ELECTRIC CO	***4300 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N101***	***234***
CLEANCO INDUSTRIAL SERVICES OF	***10-39 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O110***	***257***
DENTSPLY TRU-BYTE	10-39 44TH DR	WNW 1/8 - 1/4 (0.167 mi.)	O111	258
ROSS WATCH CASE CORP	***21-30-42 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O112***	***260***
JAGUAR GOLD PRODUCT	***21-30 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O113***	***261***
E ZAPPI DERMATOPATHOLOGY LAB I	***21-51 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O114***	***263***
INTERNATIONAL DESIGN CENTER	***29-10 THOMPSON AVE 9TH***	***SE 1/8 - 1/4 (0.175 mi.)***	***S121***	***285***
NYSDOT G CAMPBELL PAINTING D25	***THOMPSON AVE BRIDGE***	***ESE 1/8 - 1/4 (0.176 mi.)***	***S122***	***286***
PERENNIALLY GREEN INC	***23-13 44TH DR***	***WNW 1/8 - 1/4 (0.177 mi.)***	***123***	***288***
J BROTHERS AUTO BODY INC	***28-20 42ND RD***	***NE 1/8 - 1/4 (0.180 mi.)***	***T127***	***306***
ANOCA PLATING SERVICE CORP	***27-04 42ND RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***W136***	***328***
CON EDISON MANHOLE 954	***47TH ST & SKILLMAN AVE***	***S 1/8 - 1/4 (0.197 mi.)***	***138***	***331***
EPPY PLATING	***42-40 CRESCENT ST***	***N 1/8 - 1/4 (0.198 mi.)***	***X142***	***336***
STANDARD FINISHING CO INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC159***	***413***
GRUBER DISPLAY COMPANY	***43-10 23RD ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC160***	***418***
SCRIPTO EVERGLIDE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD164***	***440***
BURNHAM PRODUCTS CORP	***42-24 ORCHARD ST***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD167***	***457***
MTA NYCT - COURT SQUARE EFA LI	***23RD ST & 43RD RD***	***NNW 1/8 - 1/4 (0.236 mi.)***	***AF174***	***484***
CON ED - V 7677	W/S 24 ST/42 RD	N 1/8 - 1/4 (0.246 mi.)	186	509

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEAL-KAP PACKAGING INC	***11-5 44TH DR***	***N 0 - 1/8 (0.048 mi.)***	***D23***	***38***
CENTRALIZED LAB SERVICES INC	***43-25 HUNTER ST***	***NNW 0 - 1/8 (0.100 mi.)***	***F44***	***85***
ROGERS ENGRAVING CO INC	***45-61 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M80***	***190***
STERNBERGER MOTOR - G A P REAL	***45-55 PEARSON ST APT U***	***SW 1/8 - 1/4 (0.171 mi.)***	***Q119***	***279***
MATSON MFG CO INC	***45-17 PEARSON ST***	***SW 1/8 - 1/4 (0.177 mi.)***	***Q124***	***291***
MICHELANGELO SCULPTURE	***27-01 47TH AVE***	***SSE 1/8 - 1/4 (0.218 mi.)***	***Y153***	***385***
CITY SPORTS & GRAPHIC	***45-12 DAVIS ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AA155***	***388***
MTA NYCT - COURT HOUSE SQ STA	***JACKSON AVE & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB157***	***401***

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there are 35 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A A A STAMP & SEAL	***26-20 JACKSON AVE***	***N 0 - 1/8 (0.041 mi.)***	***D12***	***18***
A-1 AUTO COLLISION INC	***2831 THOMSON AVE***	***SSE 0 - 1/8 (0.045 mi.)***	***B16***	***23***
COURT SQUARE	***45-18 COURT SQ***	***WSW 0 - 1/8 (0.103 mi.)***	***H52***	***101***
NYCT - COURT SQUARE STA G LINE	***JACKSON ST & COURT SQ***	***W 1/8 - 1/4 (0.134 mi.)***	***J84***	***197***
MTA NYCT 11TH STREET & JACKSON	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J87	206
CON EDISON	JACKSON AVE & COURT SQU	W 1/8 - 1/4 (0.134 mi.)	J88	207
KENT BRAGALINE INC	***27-45 JACKSON AVE***	***NE 1/8 - 1/4 (0.135 mi.)***	***I89***	***208***
ROCKROSE CONSTRUCTION CORP	***4329 CRESCENT STREET***	***NNW 1/8 - 1/4 (0.141 mi.)***	***N91***	***213***
AEROSOURCE INC	***25-19 43RD AVE***	***NNW 1/8 - 1/4 (0.151 mi.)***	***N98***	***227***
FEDERAL PACIFIC ELECTRIC CO	***4300 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N101***	***234***
NYCDEP	CRESCENT & 43RD AVE	NNW 1/8 - 1/4 (0.155 mi.)	N103	246
LIRR - HUNTERS POINT YARD	***SKILLMAN AVE & 27TH ST***	***SSE 1/8 - 1/4 (0.170 mi.)***	***115***	***265***
PERENNIALLY GREEN INC	***23-13 44TH DR***	***WNW 1/8 - 1/4 (0.177 mi.)***	***123***	***288***
J BROTHERS AUTO BODY INC	***28-20 42ND RD***	***NE 1/8 - 1/4 (0.180 mi.)***	***T127***	***306***
CONSOLIDATED EDISON	PEARSON ST & JACKSON AV	WSW 1/8 - 1/4 (0.181 mi.)	R128	308
CON EDISON MANHOLE 954	***47TH ST & SKILLMAN AVE***	***S 1/8 - 1/4 (0.197 mi.)***	***138***	***331***
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
KOREA NEWS	***42-22 27TH ST***	***NNE 1/8 - 1/4 (0.214 mi.)***	***W148***	***350***
SUBACCHI FURNITYRE-46-24 28TH	***46-24 28TH STREET***	***SSE 1/8 - 1/4 (0.216 mi.)***	***152***	***373***
STANDARD FINISHING CO INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC159***	***413***
IDEAL LABEL INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC162***	***423***
LAGUARDIA COMMUNITY COLLEGE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD165***	***443***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***
INTERNATIONAL DESIGN CENTER	***29-10 THOMPSON AVENUE***	***ESE 1/8 - 1/4 (0.236 mi.)***	***AD175***	***486***
NYC EDC - GOTHAM CENTER TOWER	***42-01 28TH STREET***	***NNE 1/8 - 1/4 (0.244 mi.)***	***AH179***	***493***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTRALIZED LAB SERVICES INC	***43-25 HUNTER ST***	***NNW 0 - 1/8 (0.100 mi.)***	***F44***	***85***
MTA NYCT - VENT PLANT 5103	HUNTER ST & 43RD AVE	N 0 - 1/8 (0.107 mi.)	G56	114
CON EDISON	45-34 COURT SQ	SW 1/8 - 1/4 (0.128 mi.)	M77	158
EAGLE ELECTRIC MANUFACTURING C	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M78***	***159***
STERNBERGER WAREHOUSE	45-55 PEARSON ST	SW 1/8 - 1/4 (0.171 mi.)	Q116	272
STERNBERGER MOTOR - G A P REAL	***45-55 PEARSON ST APT U***	***SW 1/8 - 1/4 (0.171 mi.)***	***Q119***	***279***
MATSON MFG CO INC	***45-17 PEARSON ST***	***SW 1/8 - 1/4 (0.177 mi.)***	***Q124***	***291***
MICHELANGELO SCULPTURE	***27-01 47TH AVE***	***SSE 1/8 - 1/4 (0.218 mi.)***	***Y153***	***385***
NYCT - FLUSHING AVENUE LINE (#	***DAVIS & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB156***	***390***
MTA NYCT - COURT HOUSE SQ STA	***JACKSON AVE & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB157***	***401***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
KOREA NEWS	42-22 27TH ST	NNE 1/8 - 1/4 (0.214 mi.)	W149	364

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/17/2013 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOP STAR FABRICARE	43-43 QUEENS STREET	ENE 1/8 - 1/4 (0.125 mi.)	K76	158

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/17/2013 has revealed that there are 17 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 6,TAXBLOCK 433	26-15 JACKSON AVENUE	NNW 0 - 1/8 (0.045 mi.)	D14	20
LOT 8,TAXBLOCK 433	26-11 JACKSON AVENUE	NW 0 - 1/8 (0.046 mi.)	18	27
LOT 5,TAXBLOCK 433	26-19 JACKSON AVENUE	NNW 0 - 1/8 (0.046 mi.)	D19	31
LOT 12,TAXBLOCK 433	25-25 44 DRIVE	WNW 0 - 1/8 (0.080 mi.)	39	73
LOT 8,TAXBLOCK 432	27-35 JACKSON AVENUE	NE 0 - 1/8 (0.109 mi.)	E60	123
LOT 27,TAXBLOCK 431	42-74 HUNTER STREET	NNE 0 - 1/8 (0.124 mi.)	L75	156
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LOT 4,TAXBLOCK 433	26-21 JACKSON AVENUE	N 0 - 1/8 (0.048 mi.)	D22	35
LOT 1,TAXBLOCK 433	26-27 JACKSON AVENUE	N 0 - 1/8 (0.051 mi.)	D26	40
LOT 2,TAXBLOCK 433	26-25 JACKSON AVENUE	N 0 - 1/8 (0.051 mi.)	D28	45
LOT 3,TAXBLOCK 433	26-23 JACKSON AVENUE	N 0 - 1/8 (0.055 mi.)	D31	50
LOT 35,TAXBLOCK 433	43-15 HUNTER STREET	NNW 0 - 1/8 (0.099 mi.)	F42	78
LOT 31,TAXBLOCK 433	43-25 HUNTER STREET	NNW 0 - 1/8 (0.100 mi.)	F43	81
LOT 36,TAXBLOCK 433	43-11 HUNTER STREET	NNW 0 - 1/8 (0.100 mi.)	F45	88
LOT 37,TAXBLOCK 433	43-09 HUNTER STREET	NNW 0 - 1/8 (0.101 mi.)	F46	91
LOT 41,TAXBLOCK 433	27-10 43 AVENUE	N 0 - 1/8 (0.101 mi.)	G48	96
LOT 39,TAXBLOCK 433	27-06 43 AVENUE	N 0 - 1/8 (0.103 mi.)	G53	107
LOT 38,TAXBLOCK 433	27-02 43 AVENUE	N 0 - 1/8 (0.105 mi.)	G55	111

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 37 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	4412 PURVES ST	E 0 - 1/8 (0.027 mi.)	A1	8
Not reported	4427 PURVES ST	ESE 0 - 1/8 (0.033 mi.)	A3	9
Not reported	4435 PURVES ST	ESE 0 - 1/8 (0.036 mi.)	A5	11
Not reported	4443 PURVES ST	ESE 0 - 1/8 (0.039 mi.)	A7	13
Not reported	2801 THOMSON AVE	SSW 0 - 1/8 (0.040 mi.)	B8	13
Not reported	2811 THOMSON AVE	S 0 - 1/8 (0.040 mi.)	B10	16
Not reported	2723 44TH DR	WNW 0 - 1/8 (0.040 mi.)	C11	17
Not reported	2718 THOMSON AVE	SSW 0 - 1/8 (0.043 mi.)	B13	20
Not reported	2831 THOMSON AVE	SSE 0 - 1/8 (0.045 mi.)	B15	23
Not reported	2719 THOMSON AVE	SW 0 - 1/8 (0.047 mi.)	20	34
Not reported	2615 JACKSON AVE	NNW 0 - 1/8 (0.047 mi.)	D21	35
Not reported	2604 JACKSON AVE	NW 0 - 1/8 (0.050 mi.)	C24	40
Not reported	2707 44TH DR	WNW 0 - 1/8 (0.051 mi.)	C25	40
Not reported	2413 44TH DR	WNW 0 - 1/8 (0.109 mi.)	59	123
Not reported	2722 JACKSON AVE	NE 0 - 1/8 (0.113 mi.)	I65	135
Not reported	5 COURT SQ	WSW 0 - 1/8 (0.124 mi.)	H74	156
Not reported	4243 27TH ST	N 1/8 - 1/4 (0.132 mi.)	L83	197
Not reported	4329 CRESCENT ST	NNW 1/8 - 1/4 (0.141 mi.)	N92	219
Not reported	4315 CRESCENT ST	NNW 1/8 - 1/4 (0.147 mi.)	N97	227
Not reported	4305 CRESCENT ST	NNW 1/8 - 1/4 (0.151 mi.)	N100	233
Not reported	2415 44TH RD	NW 1/8 - 1/4 (0.155 mi.)	P104	247
Not reported	2413 44TH RD	NW 1/8 - 1/4 (0.156 mi.)	P106	250
Not reported	2413 44	NW 1/8 - 1/4 (0.157 mi.)	P107	250
Not reported	2820 42ND RD	NE 1/8 - 1/4 (0.179 mi.)	T125	302
Not reported	4237 CRESCENT ST	N 1/8 - 1/4 (0.197 mi.)	X139	333
Not reported	4235 CRESCENT ST	N 1/8 - 1/4 (0.203 mi.)	X145	345
Not reported	4233 CRESCENT ST	N 1/8 - 1/4 (0.209 mi.)	X147	349
Not reported	4309 23RD ST	NNW 1/8 - 1/4 (0.233 mi.)	AF172	482
Not reported	4206 27TH ST	NNE 1/8 - 1/4 (0.243 mi.)	178	493

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2626 JACKSON AVE	N 0 - 1/8 (0.056 mi.)	D32	53
Not reported	2701 JACKSON AVE	NNE 0 - 1/8 (0.062 mi.)	D36	66
Not reported	2706 43RD AVE	N 0 - 1/8 (0.102 mi.)	G50	100
Not reported	2707 43RD AVE	N 0 - 1/8 (0.103 mi.)	G51	101
Not reported	2702 43RD AVE	N 0 - 1/8 (0.104 mi.)	G54	110
Not reported	4620 27TH ST	SSE 1/8 - 1/4 (0.198 mi.)	Y141	335
Not reported	4506 DAVIS ST	WSW 1/8 - 1/4 (0.225 mi.)	AA158	413
Not reported	4557 DAVIS ST	SW 1/8 - 1/4 (0.226 mi.)	AA163	440

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US

EXECUTIVE SUMMARY

Hist Cleaners sites within approximately 0.25 miles of the target property.

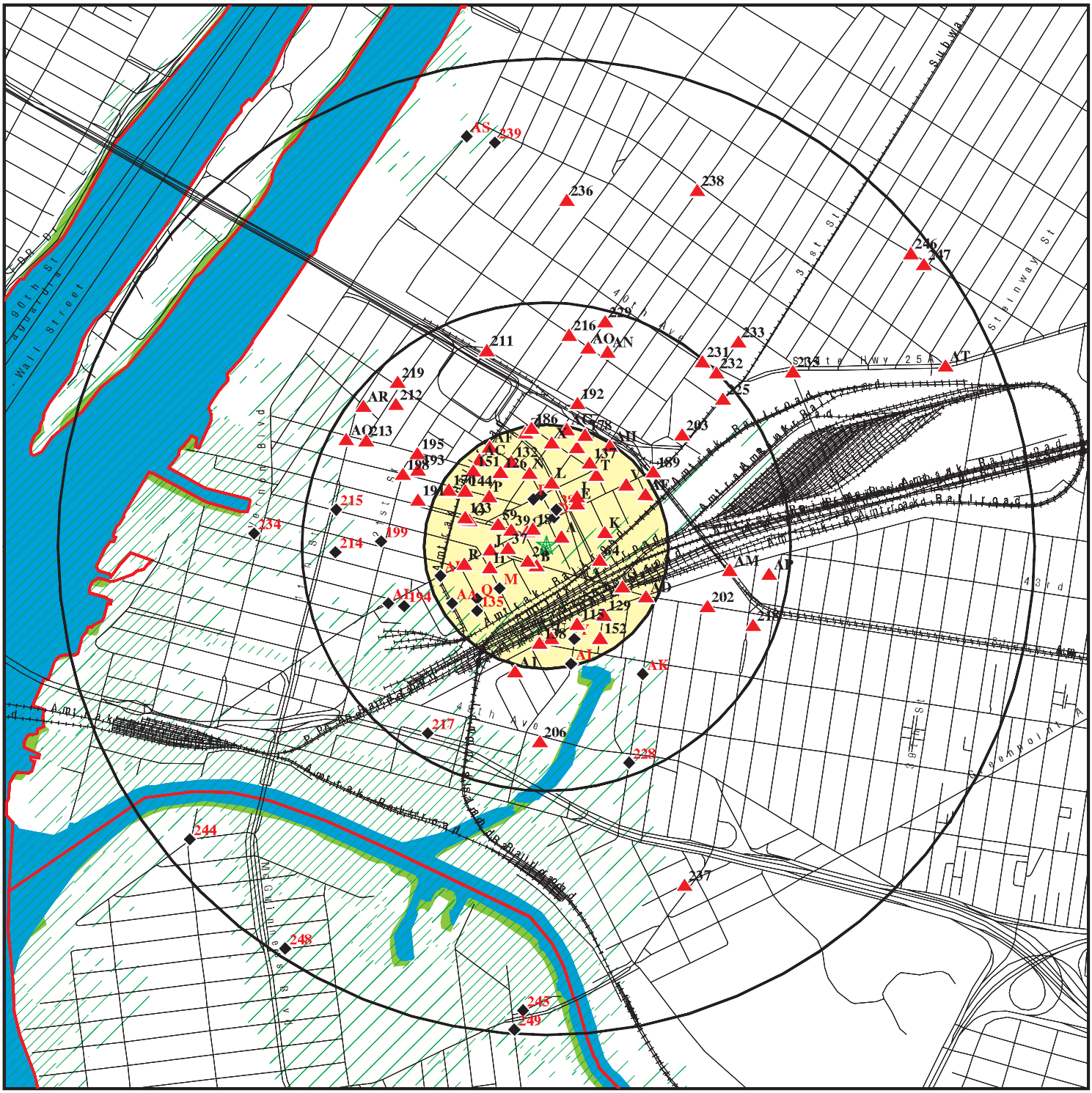
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2501 JACKSON AVE	W 0 - 1/8 (0.115 mi.)	J66	135
Not reported	4320 CRESCENT ST	NNW 1/8 - 1/4 (0.146 mi.)	N96	226
Not reported	4507 28TH ST	SE 1/8 - 1/4 (0.183 mi.)	129	309
Not reported	2704 42ND RD	NNE 1/8 - 1/4 (0.193 mi.)	W134	322
Not reported	4231 CRESCENT ST	N 1/8 - 1/4 (0.214 mi.)	X150	369
Not reported	4420 30TH ST	ESE 1/8 - 1/4 (0.248 mi.)	AD187	510

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
NYSDOT BIN 1066220	FINDS, NY MANIFEST
NYCDEP	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
NYCDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
NYSDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
NYSDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CON ED	RCRA-CESQG, NY MANIFEST
NYCTA	RCRA-CESQG, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON CO #3000	NY MANIFEST
MTA EXISTING RAIL YARD	RCRA NonGen / NLR
NYCDOT BRIDGES BIN 2247260	RCRA NonGen / NLR, FINDS

OVERVIEW MAP - 3798265.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City NY 11101 LAT/LONG: 40.7467 / 73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY #: 3798265.2s DATE: December 02, 2013 10:55 am

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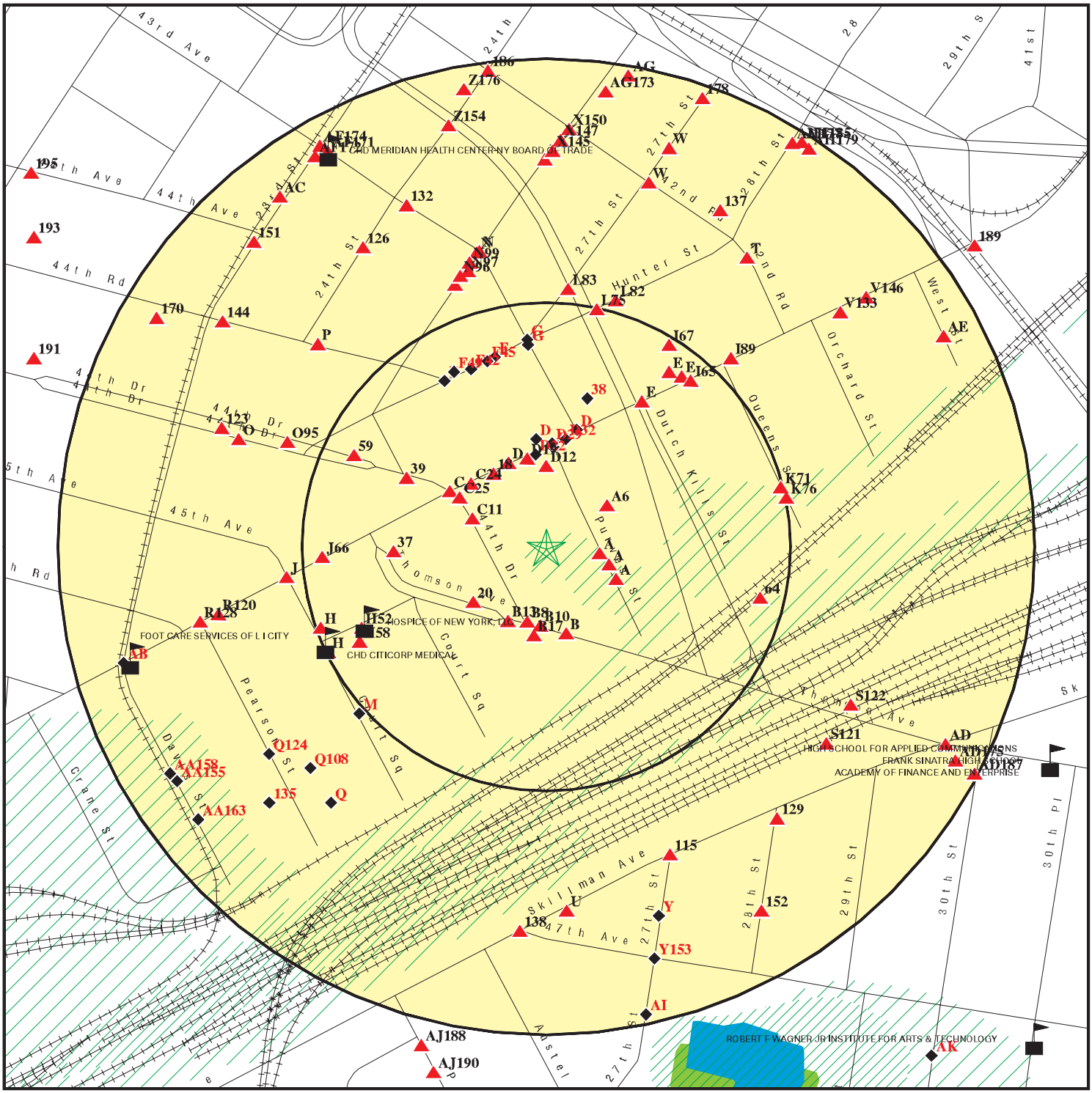
DETAIL MAP - 3798265.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/16 1/8 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 27-21 44th Drive and 44-18 Purves Street	CLIENT: Langan Engineering, Inc.
ADDRESS: 44-18 Purves Street Long Island City NY 11101	CONTACT: Jessica Alzamora
LAT/LONG: 40.7467 / 73.9415	INQUIRY #: 3798265.2s DATE: December 02, 2013 10:58 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	3	NR	3
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250		2	3	NR	NR	NR	5
RCRA-CESQG	0.250		0	8	NR	NR	NR	8
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	1	13	NR	14
NY VAPOR REOPENED	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	2	NR	NR	2
State and tribal leaking storage tank lists								
NY LTANKS	0.500		2	4	39	NR	NR	45
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		3	13	NR	NR	NR	16
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		5	20	NR	NR	NR	25
NY CBS AST	0.250		1	2	NR	NR	NR	3
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	1	NR	NR	1
NY INST CONTROL	0.500		0	0	1	NR	NR	1
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	3	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	1	1	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	7	NR	NR	NR	7
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		17	NR	NR	NR	NR	17
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	28	NR	NR	NR	35
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		5	30	NR	NR	NR	35
PA MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	2	NR	NR	NR	2
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		17	NR	NR	NR	NR	17
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		21	16	NR	NR	NR	37
EDR US Hist Cleaners	0.250		1	5	NR	NR	NR	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
East
< 1/8
0.027 mi.
145 ft.

4412 PURVES ST
LONG ISLAND CITY, NY 11101

Site 1 of 8 in cluster A

EDR US Hist Auto Stat **1015498124**
N/A

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:
Name: C T RIDE DISCOUNT AUTO REPAIR
Year: 2010
Address: 4412 PURVES ST

A2
East
< 1/8
0.030 mi.
158 ft.

S N B INC
44-16 PURVES ST
LONG ISLAND CITY, NY

Site 2 of 8 in cluster A

RCRA NonGen / NLR **1000990347**
FINDS **NYR000003061**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: S N B INC
Facility address: 44-16 PURVES ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000003061
Mailing address: PO BOX 640-786
FLUSHING, NY 113640788
Contact: WALTER SCHMIDICHEN
Contact address: PO BOX 640-786
FLUSHING, NY 113640788
Contact country: US
Contact telephone: (718) 224-3711
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WESLH BROS
Owner/operator address: 44-30 PURVES ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-7330
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: WESLH BROS
Owner/operator address: 44-30 PURVES ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-7330
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

S N B INC (Continued) **1000990347**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: S N B INC
Classification: Not a generator, verified

Date form received by agency: 04/13/1995
Facility name: S N B INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004512661

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3 **EDR US Hist Auto Stat** **1015498797**
ESE **4427 PURVES ST** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.033 mi.
176 ft. **Site 3 of 8 in cluster A**

Relative:
Higher

Actual:
20 ft.

EDR Historical Auto Stations:

Name: PURVIS AUTO REPAIR
Year: 2001
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2002
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2003
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR

(Continued) **1015498797**

Year: 2004
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2005
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2006
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR INC
Year: 2007
Address: 4427 PURVES ST

A4 **MANHOLE # 514** **NY Spills** **S104653985**
ESE **44-27 PERVES ST** **N/A**
< 1/8 **QUEENS, NY**
0.034 mi.
178 ft. **Site 4 of 8 in cluster A**

Relative:
Higher

Actual:
20 ft.

SPILLS:

Facility ID:	0003644
DER Facility ID:	241946
Facility Type:	ER
Site ID:	299059
DEC Region:	2
Spill Date:	6/24/2000
Spill Number/Closed Date:	0003644 / 9/27/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	6/24/2000
CID:	281
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/24/2000
Spill Record Last Update:	10/10/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	BRIAN JOYCE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Con Ed e2mis Notes:6/24/00 2gal unknown oil on 1000gal water in manhole. Sample returned <1ppm PCB.6/25/00 Cleanup

MANHOLE # 514 (Continued) **S104653985**

completed. Oil was solidified and structure was double washed with slix. Liquids removed by tanker and solids by vactor. No earthen sump. (KMF 10/10/01)

Remarks: ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 1,000 GALLONSWATER. SAMPLE HAS BEEN TAKEN AND CLEANUP IS PENDING LAB RESULTS.CON ED # 132002. NO CALL BACK REQUESTED.

Material:

Site ID:	299059
Operable Unit ID:	826047
Operable Unit:	01
Material ID:	551961
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A5 **EDR US Hist Auto Stat** **1015499124**
ESE **4435 PURVES ST** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.036 mi.
191 ft. **Site 5 of 8 in cluster A**

Relative: Higher

Actual: 21 ft.

EDR Historical Auto Stations:

Name:	PURVIS AUTO REPAIR
Year:	1999
Address:	4435 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2000
Address:	4435 PURVES ST

A6 **COMMERCIAL LOT** **NY Spills** **S108764477**
NE **44 -15 PURVIS STREET** **N/A**
< 1/8 **LONG ISLAND, NY**
0.038 mi.
199 ft. **Site 6 of 8 in cluster A**

Relative: Higher

Actual: 16 ft.

SPILLS:

Facility ID:	0706566
DER Facility ID:	336512
Facility Type:	ER
Site ID:	387108
DEC Region:	2
Spill Date:	9/12/2007
Spill Number/Closed Date:	0706566 / 10/17/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

COMMERCIAL LOT (Continued) **S108764477**

	Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	hrpatel
Referred To:	Not reported
Reported to Dept:	9/12/2007
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/12/2007
Spill Record Last Update:	10/17/2007
Spiller Name:	CHARLIE SCHMINDGALL
Spiller Company:	COMMERCIAL LOT
Spiller Address:	44 -15 PURVIS STREET
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	001
Contact Name:	CHARLIE SCHMINDGALL
Contact Phone:	(631) 224-1680
DEC Memo:	10/11/07-Hiralkumar Patel. left message for Charlie at agressive environmental.10/15/07-Hiralkumar Patel. received message from Charlie. he will send report.10/17/07-Hiralkumar Patel. received Phase II report from Charlie. abstract:- no structure on property; only cars and construction equipments- during Phase I, a possible UST was oted in the south-east corner of the property- no tanks/anamolies found during GPR survey by Impact environmental- total six soil borings were performed, all borings were drilled to 15 ft bg- water table stands between 13 and 14 ft bg- soil samples were collected every five ft and were field screened- six soil samples were collected (one from each boring)- soil samples from boring 1, 2, 5 & 6 were taken at water table as no PID found- soil samples from boring 3 & 4 were taken at 5 ft bg as found little high PID (5 - 10 ppm) than background values (1 - 2 ppm)- no VOCs found in any samples- few SVOCs found in sample # 3 & 4based on available report, case closed.
Remarks:	SOIL TESTING LEVELS WERE VERY VERY LOW BUT CALLER WANTED DEC TO CHECK OUT

Material:

Site ID:	387108
Operable Unit ID:	1144325
Operable Unit:	01
Material ID:	2134622
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

COMMERCIAL LOT (Continued) **S108764477**

Tank Test:

A7
ESE
< 1/8
0.039 mi.
208 ft.

4443 PURVES ST **EDR US Hist Auto Stat** **1015499477**
LONG ISLAND CITY, NY 11101 **N/A**

Site 7 of 8 in cluster A

Relative: Higher

Actual: 22 ft.

EDR Historical Auto Stations:

Name:	PURVIS AUTO REPAIR
Year:	2007
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2008
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2009
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2010
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2011
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2012
Address:	4443 PURVES ST

B8
SSW
< 1/8
0.040 mi.
209 ft.

2801 THOMSON AVE **EDR US Hist Auto Stat** **1015386139**
LONG ISLAND CITY, NY 11101 **N/A**

Site 1 of 6 in cluster B

Relative: Higher

Actual: 20 ft.

EDR Historical Auto Stations:

Name:	JEMA COACH AUTO BODY
Year:	1999
Address:	2801 THOMSON AVE
Name:	ART AUTOMOTIVE LTD
Year:	2006
Address:	2801 THOMSON AVE
Name:	JEMA COACH AUTO BODY
Year:	2008
Address:	2801 THOMSON AVE
Name:	JEMA COACH AUTO BODY
Year:	2009
Address:	2801 THOMSON AVE

(Continued) **1015386139**

Name: JEMA COACH AUTO BODY
Year: 2010
Address: 2801 THOMSON AVE

A9 **44-43 PURVES ST** **NY CBS AST** **S102638733**
ESE **44-43 PURVES ST** **NY Spills** **N/A**
< 1/8 **LONG ISLAND CITY, NY** **NY CBS**
0.040 mi.
211 ft. **Site 8 of 8 in cluster A**

Relative:
Higher

Actual:
23 ft.

CBS AST:

CBS Number:	2-000087
ICS Number:	2-125780
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 937-1413
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	07/07/2001
Total Capacity of All Active Tanks(gal):	0
Operator:	S & M AUTOMATIC PRECISION CO.
Emergency Contact:	G. MIGNAT
Emergency Phone:	(718) 457-9855
Owner Name:	S & M AUTOMATIC PRECISION CO.
Owner Address:	44-43 PURVES ST
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 937-1413
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	S & M AUTOMATIC PRECISION CO.
Mail Contact Addr:	44-43 PURVES ST
Mail Contact Addr2:	Not reported
Mail Contact Contact:	G. MIGNAT
Mail Contact City,St,Zip:	LONG ISLAND CITY, NY 11101
Mail Phone:	(718) 937-1413
Tank Id:	001
CAS Number:	127184
Federal ID:	Not reported
Tank Status:	0
Install Date:	06/79
Tank Closed:	12/99
Capacity (Gal):	500
Chemical:	Tetrachloroethylene
Tank Location:	ABOVEGROUND
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	07/07/1989
Certified Date:	04/14/1999
Substance:	More than one Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	Painted/Asphalt Coating

44-43 PURVES ST (Continued) **S102638733**

Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/07/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	04/01/1999

SPILLS:

Facility ID:	9713189
DER Facility ID:	154694
Facility Type:	ER
Site ID:	184909
DEC Region:	2
Spill Date:	2/26/1998
Spill Number/Closed Date:	9713189 / 5/14/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	2/26/1998
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/26/1998
Spill Record Last Update:	5/22/1998
Spiller Name:	CALLER
Spiller Company:	MARISOL INC
Spiller Address:	213 WEST UNION AVE
Spiller City,St,Zip:	BOUND BROOK, NJ 08805-
Spiller Company:	001
Contact Name:	CALLER

44-43 PURVES ST (Continued) **S102638733**

Contact Phone: (732) 469-5100
DEC Memo: Not reported
Remarks: hose broke on tank truck while delivering product.caller is attorney for company.

Material:
Site ID: 184909
Operable Unit ID: 1056121
Operable Unit: 01
Material ID: 324213
Material Code: 0059A
Material Name: SOLVENTS
Case No.: Not reported
Material FA: Other
Quantity: 100
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

CBS:
CBS Number: 2-000087
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 589363.32235999
UTMY: 4511253.1193899

B10 **EDR US Hist Auto Stat** **1015387175**
South **2811 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.040 mi.
213 ft. **Site 2 of 6 in cluster B**

Relative:
Higher

Actual:
19 ft.

EDR Historical Auto Stations:
Name: MARLING AUTO REPR CORPORATION
Year: 1999
Address: 2811 THOMSON AVE

Name: MARLING AUTO REPR CORPORATION
Year: 2000
Address: 2811 THOMSON AVE

Name: MARLING AUTO REPR INC
Year: 2003
Address: 2811 THOMSON AVE

C11
WNW
< 1/8
0.040 mi.
213 ft.

EDR US Hist Auto Stat **1015381120**
N/A

2723 44TH DR
LONG ISLAND CITY, NY 11101

Site 1 of 5 in cluster C

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name:	NORTHEASTERN AUTO REPAIR INCORPORATED
Year:	1999
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INCORPORATED
Year:	2000
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2001
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2002
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2003
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2004
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2007
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2008
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2009
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTOMOBILE REPAIR INCOR
Year:	2011
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2012
Address:	2723 44TH DR

D12 **A A A STAMP & SEAL** **RCRA NonGen / NLR** **1001224371**
North **26-20 JACKSON AVE** **FINDS** **NYR000055889**
< 1/8 **QUEENS, NY 11101** **NY MANIFEST**
0.041 mi.
219 ft. **Site 1 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	A A A STAMP & SEAL
Facility address:	26-20 JACKSON AVE QUEENS, NY 11101
EPA ID:	NYR000055889
Mailing address:	JACKSON AVE QUEENS, NY 11101
Contact:	BARRY GOLDMAN
Contact address:	JACKSON AVE QUEENS, NY 11101
Contact country:	US
Contact telephone:	(718) 361-8087
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JULIUS REINHARDT
Owner/operator address:	1 WOODHOLLOW LANE OLD BROOKVILLE, NY 11545
Owner/operator country:	US
Owner/operator telephone:	(718) 897-0310
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JULIUS REINHARDT
Owner/operator address:	1 WOODHOLLOW LANE OLD BROOKVILLE, NY 11545
Owner/operator country:	US
Owner/operator telephone:	(718) 897-0310
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

A A A STAMP & SEAL (Continued) **1001224371**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: A A A STAMP & SEAL
Classification: Not a generator, verified

Date form received by agency: 06/08/1998
Facility name: A A A STAMP & SEAL
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008103809

Environmental Interest/Information System
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NY MANIFEST:
EPA ID: NYR000055889
Country: USA
Mailing Name: AAA STAMP & SEAL
Mailing Contact: BARRY GOLDMAN
Mailing Address: 26-20 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: QUEENS
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-361-8087

Document ID: NYC5398244
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647
Generator Ship Date: 10/13/1998
Trans1 Recv Date: 10/13/1998
Trans2 Recv Date: 10/21/1998
TSD Site Recv Date: 10/29/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000055889
Trans1 EPA ID: SCD077995488
Trans2 EPA ID: Not reported
TSDF ID: LP3931NY

A A A STAMP & SEAL (Continued) **1001224371**

Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	98

B13 **EDR US Hist Auto Stat** **1015380671**
SSW **2718 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.043 mi.
225 ft. **Site 3 of 6 in cluster B**

Relative:
Higher

Actual:
20 ft.

EDR Historical Auto Stations:

Name:	MANNY AUTO ELECTRIC CORP
Year:	2002
Address:	2718 THOMSON AVE

D14 **LOT 6,TAXBLOCK 433** **NY E DESIGNATION** **S108469575**
NNW **26-15 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.045 mi.
238 ft. **Site 2 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	6
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

Owner, Type of Code:	Not reported
Owner Name:	N J F PROPERTIES INC
Lot Area:	000004267
Total Building Floor Area:	00000003433
Commercial Floor Area:	00000003433
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000003433
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.67
Lot Depth:	0100.00
Building Frontage:	0042.92
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000117000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1941
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330006
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000342
Y Coordinate:	0211651
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	6

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	N J F PROPERTIES INC
Lot Area:	000004267
Total Building Floor Area:	00000003433
Commercial Floor Area:	00000003433
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000003433
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.67
Lot Depth:	0100.00
Building Frontage:	0042.92
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000117000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1941

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330006
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000342
Y Coordinate:	0211651
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B15 **EDR US Hist Auto Stat** **1015388679**
SSE **2831 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.045 mi.
240 ft. **Site 4 of 6 in cluster B**

Relative:
Higher

Actual:
21 ft.

EDR Historical Auto Stations:

Name:	KHANS AUTO REPAIR & COLLISSION
Year:	2011
Address:	2831 THOMSON AVE
Name:	KHANS AUTO REPAIR & COLLISSION
Year:	2012
Address:	2831 THOMSON AVE

B16 **A-1 AUTO COLLISION INC** **RCRA NonGen / NLR** **1000102743**
SSE **2831 THOMSON AVE** **NY MANIFEST** **NYD986884872**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.045 mi.
240 ft. **Site 5 of 6 in cluster B**

Relative:
Higher

Actual:
21 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	A-1 AUTO COLLISION INC
Facility address:	2831 THOMSON AVE LONG ISLAND CITY, NY 111012902
EPA ID:	NYD986884872
Mailing address:	THOMSON AVE LONG ISLAND CITY, NY 11101

A-1 AUTO COLLISION INC (Continued) **1000102743**

Contact: Not reported
Contact address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GLEN TOMPKINS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GLEN TOMPKINS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: A-1 AUTO COLLISION INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: A-1 AUTO COLLISION INC
Classification: Not a generator, verified

A-1 AUTO COLLISION INC (Continued) **1000102743**

Date form received by agency: 12/04/1989
Facility name: A-1 AUTO COLLISION INC
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD986884872
Country: USA
Mailing Name: A 1 AUTO COLLISION INCORPORATED
Mailing Contact: TOMPKINS R GLEN
Mailing Address: 2831 THOMSON AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-0024

Document ID: NJA1317333
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 920218
Trans1 Recv Date: 920218
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920219
Part A Recv Date: 920227
Part B Recv Date: 920303
Generator EPA ID: NYD986884872
Trans1 EPA ID: NJD986608941
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F003 - UNKNOWN
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 92

Document ID: NJA0963706
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 901206
Trans1 Recv Date: 901206
Trans2 Recv Date: Not reported
TSD Site Recv Date: 901207
Part A Recv Date: 901231
Part B Recv Date: 910115
Generator EPA ID: NYD986884872
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported

A-1 AUTO COLLISION INC (Continued) **1000102743**

TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00070
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

B17 **VAULT#3073** **NY Spills** **S107408525**
South **2740 THOMASON AVE** **N/A**
< 1/8 **QUEENS, NY**
0.046 mi.
241 ft. **Site 6 of 6 in cluster B**

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	0506520
DER Facility ID:	299029
Facility Type:	ER
Site ID:	351752
DEC Region:	2
Spill Date:	8/25/2005
Spill Number/Closed Date:	0506520 / 1/10/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	8/26/2005
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/26/2005
Spill Record Last Update:	1/10/2008
Spiller Name:	ERT DESK'
Spiller Company:	VAULT#3073
Spiller Address:	2740 THOMASON AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK'
Contact Phone:	(212) 580-8383
DEC Memo:	01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.160721. 8/25/2005 15:00 HRS. T. DIDONATO #26557, SPLICER WITH EQUIPMENT GROUP, REPORTS ON LOCATION FOR INSPECTION OF V-3073 (ACCT # C3238) AND WHILE REMOVING A DEFECTIVE SUMP PUMP AT 14:40 HRS. HE FOUND APPROX. 1 QT UNKNOWN OIL MIXED IN WITH DIRT ON FLOOR OF VAULT. TRANSFORMER WILL BE PRESSURE-TESTED TO DETERMINE IF IT IS LEAKING.NO OIL FOUND IN SUMP PIT OR SUMP PUMP PIPING. SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. NO PRIVATE

VAULT#3073 (Continued) **S107408525**

PROPERTY AFFECTED. NO FIRE OR SMOKE INVOLVED. ENV STOP TAG 44487 PLACED. OIL SAMPLE WILL BE TAKEN ON "E" PRIORITY TURNAROUND. CHAIN OF CUSTODY FORM DD-12108 MARKED FOR PCB TEST. CLEANUP PENDING PRESSURE TEST RESULTS AND PCB SAMPLE RESULTS.** TRANSFORMER INFORMATION FROM E.C.C. WAREHOUSE:** Serial ID: 8172233, MFG Code: GE, KVA: 500, Mfr. Date: 05/01/1948, Install Date: 11/17/1993.** HISTORICAL PCB RESULTS DATED 06/27/2001: 26 PPM, LAB SEQ # 01-05129-001.-- W. WAINWRIGHT #17344 --8/25/2005 15:47 HRS. -- T. DIDONATO REPORTS HE IS CONDEMNING TRANSFORMER DUE TO OIL LEAK AND HE WILL TAKE AN OIL SAMPLE FROM TRANSFORMER. UNABLE TO GET A LIQUID SAMPLE FROM STRUCTURE. ** INITIAL CLEANUP PENDING PCB RESULTS FROM CHEM LAB.** FINAL CLEANUP PENDING TRANSFORMER REMOVAL. -- W.W. #17344 --8/25/2005 16:00 HRS. -- T. DIDONATO REPORTS SAMPLE WILL BE SENT TO CHEM LAB USING CHAIN OF CUSTODY FORM # DD-12019 (WAS PREVIOUSLY REPORTED AS # DD-12018). -- W.W. #17344 Lab Sequence Number: 05-08946-001 Aroclor 1260 19.3 ppm EPA 608/8082.8/26/2005 13:40 HRS. -- ENV. DESK SUPERVISOR D. HEARNS REPORTS HE SPOKE WITH SHIFT MANAGER K. SUDOL AND TRANSFORMER WILL NOT BE REMOVED UNTIL SOMETIME NEXT WEEK. INCIDENT TO BE REMOVED FROM 72-HOUR DEMINIMIS BECAUSE CLEANUP CANNOT BE COMPLETED UNTIL TRANSFORMER IS REMOVED.INCIDENT TYPE CHANGED TO "SPILL - DIELECTRIC" AND SHORT DESCRIPTION UPDATED FROM "UNKNOWN OIL" TO "TRANSFORMER OIL" (AS PER UPDATE ON 8/25/2005 15:47 HRS. -- W.W. #17344 --

Remarks: from transformer will condenm: coned # 160721: no to 4 questions: need to deenergize feeder coming off 72 hour clock:

Material:

Site ID:	351752
Operable Unit ID:	1109257
Operable Unit:	01
Material ID:	2099248
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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18 **LOT 8,TAXBLOCK 433** **NY E DESIGNATION** **S108469582**
NW **26-11 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.046 mi.
244 ft.

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 JACKSON AVENUE LLC
Lot Area:	000006450
Total Building Floor Area:	00000015500
Commercial Floor Area:	00000015500
Office Floor Area:	00000006500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000009000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0064.42
Lot Depth:	0100.00
Building Frontage:	0064.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000090000
Total Assessed Value:	00000266400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1961
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.40
Maximum Allowable Far:	10.00

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Borough Code:	4
Borough Tax Block And Lot:	4004330008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000308
Y Coordinate:	0211612
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 JACKSON AVENUE LLC
Lot Area:	000006450
Total Building Floor Area:	00000015500
Commercial Floor Area:	00000015500
Office Floor Area:	00000006500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Storage Floor Area:	00000000000
Factory Floor Area:	00000009000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0064.42
Lot Depth:	0100.00
Building Frontage:	0064.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000090000
Total Assessed Value:	00000266400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1961
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000308
Y Coordinate:	0211612
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D19 **LOT 5,TAXBLOCK 433** **NY E DESIGNATION** **S108469573**
NNW **26-19 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.046 mi.
244 ft. **Site 3 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	5
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISABEL NADEL
Lot Area:	000002500
Total Building Floor Area:	00000005050
Commercial Floor Area:	00000005050
Office Floor Area:	00000000000
Retail Floor Area:	00000002525
Garage Floor Area:	00000000000
Storage Floor Area:	00000002525
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000069750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.02
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330005
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000383
Y Coordinate:	0211644
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	5
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISABEL NADEL
Lot Area:	000002500
Total Building Floor Area:	00000005050
Commercial Floor Area:	00000005050
Office Floor Area:	00000000000
Retail Floor Area:	00000002525
Garage Floor Area:	00000000000
Storage Floor Area:	00000002525
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000069750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.02
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330005
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000383
Y Coordinate:	0211644
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

20
SW
< 1/8
0.047 mi.
247 ft.

2719 THOMSON AVE
LONG ISLAND CITY, NY 11101

EDR US Hist Auto Stat **1015380738**
N/A

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name: MANNY AUTO ELECTRIC CORP
Year: 2001
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2003
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2004
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2006
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2007
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2008
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2009
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CO
Year: 2010
Address: 2719 THOMSON AVE

Name: MANNY AUTOMOBILE ELECTRIC CORPORATIO
Year: 2011
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2012
Address: 2719 THOMSON AVE

D21 **EDR US Hist Auto Stat** **1015373208**
NNW **2615 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.047 mi.
249 ft. **Site 4 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	MOE TAXI & BLACK CAR SRVC CTR
Year:	2001
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SRVC CTR
Year:	2002
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SERVICE CENTER
Year:	2006
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SERVICE CENTER
Year:	2007
Address:	2615 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2008
Address:	2615 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2009
Address:	2615 JACKSON AVE

D22 **LOT 4,TAXBLOCK 433** **NY E DESIGNATION** **S109318001**
North **26-21 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.048 mi.
251 ft. **Site 5 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	4
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-21 JACKSON
Lot Area:	000002000
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000001155
Office Floor Area:	00000000000
Retail Floor Area:	00000001155
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0055.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000004551
Total Assessed Value:	00000019780
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.75
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330004
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000385
Y Coordinate:	0211681
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	4
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-21 JACKSON
Lot Area:	000002000
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000001155
Office Floor Area:	00000000000
Retail Floor Area:	00000001155
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0055.00
Proximity Code:	0
Irregular Lot Code:	N

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000004551
Total Assessed Value:	00000019780
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.75
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330004
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000385
Y Coordinate:	0211681
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D23 **SEAL-KAP PACKAGING INC** **RCRA NonGen / NLR** **1000275468**
North **11-5 44TH DR** **FINDS** **NYD061944187**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.048 mi.
256 ft. **Site 6 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SEAL-KAP PACKAGING INC
Facility address:	11-5 44TH DR LONG ISLAND CITY, NY 11101
EPA ID:	NYD061944187
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

SEAL-KAP PACKAGING INC (Continued) **1000275468**

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SEAL-KAP PACKAGING INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: SEAL-KAP PACKAGING INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/19/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SEAL-KAP PACKAGING INC (Continued) **1000275468**

FINDS:

Registry ID: 110004362715

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C24 **EDR US Hist Auto Stat** **1015372098**
NW **2604 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.050 mi.
266 ft. **Site 2 of 5 in cluster C**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:
Name: LJ REPAIR & MAINTENANCE
Year: 2006
Address: 2604 JACKSON AVE

C25 **EDR US Hist Auto Stat** **1015379566**
WNW **2707 44TH DR** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.051 mi.
270 ft. **Site 3 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:
Name: CH AUTO REPAIR
Year: 2003
Address: 2707 44TH DR

Name: CH AUTO REPAIR INC
Year: 2004
Address: 2707 44TH DR

D26 **LOT 1,TAXBLOCK 433** **NY E DESIGNATION** **S109317996**
North **26-27 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.051 mi.
271 ft. **Site 7 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:
Tax Lot(s): 1
E-No: E-104
Effective Date: 7/26/2001
Satisfaction Date: Not reported
Ceqr Number: 00DCP055Q
Ulurp Number: 000406(A)ZMQ
Zoning Map No: 8d, 9b
Description: Underground Gasoline Storage Tanks* Testing Protocol.

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2627 REALTY CORP
Lot Area:	000002000
Total Building Floor Area:	00000003900
Commercial Floor Area:	00000003900
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000003900
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000061200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1945
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.95
Maximum Allowable Far:	10.00

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Borough Code:	4
Borough Tax Block And Lot:	4004330001
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000446
Y Coordinate:	0211678
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	1
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2627 REALTY CORP
Lot Area:	000002000
Total Building Floor Area:	00000003900
Commercial Floor Area:	00000003900
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Storage Floor Area:	00000000000
Factory Floor Area:	00000003900
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000061200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1945
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.95
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330001
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000446
Y Coordinate:	0211678
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D27 **CONED MANHOLE#515** **NY Spills** **S106698169**
North **PURVES STREET/JACKSON** **N/A**
< 1/8 **QUEENS, NY**
0.051 mi.
271 ft. **Site 8 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

SPILLS:

Facility ID:	0405105
DER Facility ID:	135180
Facility Type:	ER
Site ID:	160044
DEC Region:	2
Spill Date:	8/9/2004
Spill Number/Closed Date:	0405105 / 10/23/2006
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/10/2004
CID:	444
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/10/2004
Spill Record Last Update:	10/23/2006
Spiller Name:	ERT DESK
Spiller Company:	CONED MANHOLE #515
Spiller Address:	PURVES STREET/JACKSON
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 154784:APPROX 2-GALLONS OF UNKNOWN OIL ON 150 GALLONS OF WATER IN MH-515. IT APPEARS TO BE CONTAINED. CLEANUP PENDING TEST RESULT.Lab Sequence Number: 04-06282-001 PCB <1 ppm.
Remarks:	on 150 gallons of water: TAKING OFF THE 24 HR CLOCK: NEED TIME TO GET REPAIRED ON MIDNIGHT SHIFT: NO TO 5 QUESTIOS: CONED # 154784

Material:

Site ID:	160044
Operable Unit ID:	887979
Operable Unit:	01
Material ID:	489124
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons

CONED MANHOLE#515 (Continued) **S106698169**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

D28 **LOT 2,TAXBLOCK 433** **NY E DESIGNATION** **S109317998**
North **26-25 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.051 mi.
271 ft. **Site 9 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	2
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-25 JACKSON L.L.C.
Lot Area:	000002000
Total Building Floor Area:	00000002400
Commercial Floor Area:	00000000800
Office Floor Area:	00000000000
Retail Floor Area:	00000000800
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000006240
Total Assessed Value:	00000022380
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330002
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000415
Y Coordinate:	0211703
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	2
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-25 JACKSON L.L.C.
Lot Area:	000002000
Total Building Floor Area:	00000002400
Commercial Floor Area:	00000000800
Office Floor Area:	00000000000
Retail Floor Area:	00000000800
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000006240
Total Assessed Value:	00000022380
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330002
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000415
Y Coordinate:	0211703
Zoning Map:	09B

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D29 **COMMERCIAL AREA** **NY Spills** **S106698303**
North **PERVES ST/ OF JACKSON AV** **N/A**
< 1/8 **QUEENS, NY**
0.053 mi.
280 ft. **Site 10 of 15 in cluster D**

Relative:
Lower

Actual:
12 ft.

SPILLS:

Facility ID:	0405305
DER Facility ID:	150632
Facility Type:	ER
Site ID:	179492
DEC Region:	2
Spill Date:	8/14/2004
Spill Number/Closed Date:	0405305 / 10/28/2004
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	8/14/2004
CID:	71
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/14/2004
Spill Record Last Update:	10/28/2004
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	ERT desk reports Location- e/s Purves St., 500 ft s/o Jackson Ave, Queen, LIC - Vactor vehicle #60624 inadvertently released 1500 gallons of oil/water substance onto street and sewer. The back latch was not fully engaged, thus when the vactor reached it capacity (1500

COMMERCIAL AREA (Continued) **S106698303**

gallons) and the vacuum stopped, the seal from the rear latched opened thus releasing it contents. Con Edison crews quickly repaired rear vactor and then vacuumed the affected sewer pumping 1500 gallons + 500 gallons from another vactor = 2000 gallons. I responded to location along with DEC Tim DeMeo & DEP Keith Williams. There were NO signs of oil in the affected sewer. Both DEC & DEP were satisfied with Con Edison's cleanup operations to the affected street & sewer. DEP Williams indicated that this sewer was a combination type which leads to a sewer treatment plant. Cleanup operation completed.

Remarks: BROKEN SEAL ON VACTOR TRUCK LEAKED 1500 GAL WHICH RAN INTO A STORM DRAIN. CLEAN UP PENDING - CREWS ON SITE. eMIS # 154890.

Material:

Site ID:	179492
Operable Unit ID:	888087
Operable Unit:	01
Material ID:	489419
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1500
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D30 **RESIDENTS** **NY Spills** **S106009288**
North **10-33 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.055 mi.
292 ft. **Site 11 of 15 in cluster D**

Relative:
Lower

Actual:
11 ft.

SPILLS:

Facility ID:	0208454
DER Facility ID:	226966
Facility Type:	ER
Site ID:	279512
DEC Region:	2
Spill Date:	11/14/2002
Spill Number/Closed Date:	0208454 / 9/29/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/14/2002
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

RESIDENTS (Continued) **S106009288**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/14/2002
Spill Record Last Update:	9/29/2003
Spiller Name:	SAME
Spiller Company:	MYSTIC CARRIERS
Spiller Address:	19-01 STEINWAY STREET
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller Company:	001
Contact Name:	PABLO RODRIGUEZ
Contact Phone:	(800) 635-3835
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"9/29/03 TJDMinor spill. Cleaned by Mystic with absorbents. No further action required.
Remarks:	a faulty vent alarm caused the spill.the spill was cleaned upby mystic Not reported

Material:

Site ID:	279512
Operable Unit ID:	859877
Operable Unit:	01
Material ID:	515458
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D31 **LOT 3,TAXBLOCK 433** **NY E DESIGNATION** **S109317999**
North **26-23 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.055 mi.
292 ft. **Site 12 of 15 in cluster D**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	3
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	MARIA KUI
Lot Area:	000002000
Total Building Floor Area:	00000003351
Commercial Floor Area:	00000001106
Office Floor Area:	00000000000
Retail Floor Area:	00000001106
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000005291
Total Assessed Value:	00000019537
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.68
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330003
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000413
Y Coordinate:	0211660
Zoning Map:	09B

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	3
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	MARIA KUI
Lot Area:	000002000
Total Building Floor Area:	00000003351
Commercial Floor Area:	00000001106
Office Floor Area:	00000000000
Retail Floor Area:	00000001106
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000005291
Total Assessed Value:	00000019537
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.68
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330003
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000413
Y Coordinate:	0211660
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D32 **EDR US Hist Auto Stat** **1015374181**
North **2626 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.056 mi.
296 ft. **Site 13 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2002
Address:	2626 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2003
Address:	2626 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2004

(Continued) **1015374181**

Address: 2626 JACKSON AVE

Name: CT RIDE DISCOUNT AUTO REPAIR
Year: 2005
Address: 2626 JACKSON AVE

Name: CT RIDE DISCOUNT AUTO REPAIR
Year: 2006
Address: 2626 JACKSON AVE

C33 **SPILL NUMBER 0208224** **NY Spills** **S106009138**
WNW **JACKSON AV & 44TH DR** **N/A**
< 1/8 **QUEENS, NY**
0.057 mi.
300 ft. **Site 4 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

SPILLS:

Facility ID:	0208224
DER Facility ID:	231269
Facility Type:	ER
Site ID:	285206
DEC Region:	2
Spill Date:	11/8/2002
Spill Number/Closed Date:	0208224 / 11/8/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	11/8/2002
CID:	297
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/8/2002
Spill Record Last Update:	11/8/2002
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	KEVIN MCARDLE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 145-953:11/08/02=0140HRSVEHICLE #603 SPILLED APPROX. 9-GALLONS OF HYDRAUKIC FLUID FROM 2" HOSE REEL DRIVE ONTO ASPHALT AT JACKSON AVE & 44 DRIVE. IT IS CONTAINED. NO SEWERS OR WATERWAYS EFFECTED. DIAPERS PLACED.CLEANUP IN PROGRESS.11/08/02=030HRSCLEANUP COMPLETED. VEHICLE WILL BE TURNED IN TO TRANSP.
Remarks:	AN HYDRAULIC LINE RUPTURED ON A CON ED REEL VEHICLE, CLEAN UP CREWS

SPILL NUMBER 0208224 (Continued) **S106009138**

ON SITE - CON ED SPILL #145953

Material:

Site ID:	285206
Operable Unit ID:	859742
Operable Unit:	01
Material ID:	515225
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	9
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C34 **NYCTA** **RCRA NonGen / NLR** **1004759192**
WNW **44TH DR & JACKSON AVE** **FINDS** **NYR000001032**
< 1/8 **LONG ISLAND CITY, NY**
0.057 mi.
301 ft. **Site 5 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYCTA
Facility address:	44TH DR & JACKSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000001032
Mailing address:	LIVINGSTON ST BROOKLYN, NY 112015190
Contact:	JOHN HENSLEY
Contact address:	LIVINGSTON ST BROOKLYN, NY 112015190
Contact country:	US
Contact telephone:	(516) 867-7395
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEW YORK CITY TRANSIT AUTHORITY
Owner/operator address:	130 LIVINGSTON ST BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 694-5290
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT AUTHORITY
Owner/operator address:	130 LIVINGSTON ST

NYCTA (Continued) **1004759192**

BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 694-5290
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCTA
Classification: Not a generator, verified

Date form received by agency: 02/28/1995
Facility name: NYCTA
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008088835

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D35 **GASGO PETROLEUM INC** **NY UST** **U000394734**
NNE **27-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.060 mi.
315 ft. **Site 14 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

UST:

Id/Status:	2-090565 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/08/24
UTM X:	589379.1875
UTM Y:	4511273.5
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	2216
Affiliation Type:	Emergency Contact
Company Name:	MAZZA & AVENA INC
Contact Type:	Not reported
Contact Name:	MICHAEL MAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 539-5284
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Site Id:	2216
Affiliation Type:	Facility Owner
Company Name:	MAZZA & AVENA INC
Contact Type:	PRESIDENT
Contact Name:	BALBIR S. SANDHU
Address1:	166-11 27TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11358
Country Code:	001
Phone:	(718) 539-5284
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Site Id:	2216
Affiliation Type:	Mail Contact
Company Name:	MAZZA & AVENA INC
Contact Type:	Not reported
Contact Name:	MICHAEL MAZZA
Address1:	166-11 27TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY

GASGO PETROLEUM INC (Continued) **U000394734**

Zip Code:	11358
Country Code:	001
Phone:	(718) 539-5284
EMail:	SANDHU025@YAHOO.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/12/2012

Site Id:	2216
Affiliation Type:	On-Site Operator
Company Name:	GASGO PETROLEUM INC
Contact Type:	Not reported
Contact Name:	BALBIR S. SANDHU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-2687
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Tank Info:

Tank Number:	001
Tank ID:	3507
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1956
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

GASGO PETROLEUM INC (Continued) **U000394734**

Tank Number: 002
Tank ID: 3508
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1956
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 003
Tank ID: 3509
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None

GASGO PETROLEUM INC (Continued) **U000394734**

B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 004
Tank ID: 3510
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 005
Tank ID: 3511
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

GASGO PETROLEUM INC (Continued) **U000394734**

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number:	006
Tank ID:	3512
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1966
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number:	007
Tank ID:	3513
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1966
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

GASGO PETROLEUM INC (Continued) **U000394734**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser

Tank Number: 008
Tank ID: 3514
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 009
Tank ID: 3515
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000

GASGO PETROLEUM INC (Continued) **U000394734**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 010
Tank ID: 3516
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 011

GASGO PETROLEUM INC (Continued) **U000394734**

Tank ID: 3517
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
C01 - Pipe Location - Aboveground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 012
Tank ID: 3518
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

GASGO PETROLEUM INC (Continued) **U000394734**

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 013
Tank ID: 55357
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

Tank Number: 014
Tank ID: 55358
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground

GASGO PETROLEUM INC (Continued) **U000394734**

Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

D36 **EDR US Hist Auto Stat** **1015378948**
NNE **2701 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.062 mi.
327 ft. **Site 15 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name: 2701 SERVICE STATION
Year: 2002
Address: 2701 JACKSON AVE

Name: JACKSON AVE AUTO REPAIR INC
Year: 2003
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2004
Address: 2701 JACKSON AVE

Name: NESTOR AUTO REPAIR INC
Year: 2005
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2006
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2007
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC

(Continued) **1015378948**

Year: 2008
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2009
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2010
Address: 2701 JACKSON AVE

Name: NESTOR AUTOMOBILE REPAIR INCORPORATE
Year: 2011
Address: 2701 JACKSON AVE

Name: NESTOR AUTO REPAIR INC
Year: 2012
Address: 2701 JACKSON AVE

37
West
< 1/8
0.078 mi.
413 ft.

LONG ISLAND CITY COURTHOUSE **NY AST** **U004159736**
25-10 COURTHOUSE SQUARE **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
16 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-217042
Program Type: PBS
UTM X: 589236.58372
UTM Y: 4511172.6204700004
Expiration Date: 2017/10/15
Site Type: Municipality (Incl. Waste Water Treatment Plants,

Affiliation Records:
Site Id: 8192
Affiliation Type: On-Site Operator
Company Name: LONG ISLAND CITY COURTHOUSE
Contact Type: Not reported
Contact Name: JAMES GLENKA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 392-4230
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 12/22/2010

Site Id: 8192
Affiliation Type: Mail Contact
Company Name: NYC DEPT OF CITYWIDE ADMINISTRATIVE SERVICES
Contact Type: Not reported

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

Contact Name:	THOMAS DECKER
Address1:	1 CENTRE STREET
Address2:	16TH FLOOR NORTH
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-4890
EMail:	TDECKER@DCAS.NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/23/2010

Site Id:	8192
Affiliation Type:	Emergency Contact
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	Not reported
Contact Name:	THOMAS DECKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 560-9176
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/5/2012

Site Id:	8192
Affiliation Type:	Facility Owner
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	CHIEF ENGINEER
Contact Name:	JOSEPH WAGNER
Address1:	1 CENTRE STREET, 16TH FLOOR NORTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	11/6/2012

Tank Info:

Tank Number:	1
Tank Id:	22457
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 8000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 2
Tank Id: 22458
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 12000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 3
Tank Id: 22459
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
I00 - Overfill - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

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38 **GASGO** **NY Spills** **S104510008**
NNE **27-01 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.079 mi.
416 ft.

Relative:
Lower

Actual:
13 ft.

SPILLS:
Facility ID: 9913082
DER Facility ID: 101610
Facility Type: ER
Site ID: 116791
DEC Region: 2
Spill Date: 2/16/2000
Spill Number/Closed Date: 9913082 / Not Reported
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: JKKANN
Referred To: WP APPRVD 5/23/13

GASGO (Continued) **S104510008**

Reported to Dept:	2/17/2000
CID:	323
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	2/17/2000
Spill Record Last Update:	5/23/2013
Spiller Name:	MICHAEL MAZZA
Spiller Company:	GASGO
Spiller Address:	27-01 JACKSON AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller Company:	999
Contact Name:	FRANCIS ONAGA
Contact Phone:	(732) 390-0969
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"2/17/2000 ECO Lum was at the site and wrote a ticket for failure to notify. After Lum issued ticket, this call was received on the Hotline. Rommel said the site appeared to be within standards, tanks were excavated, soil was stock piled and covered. Anticipate sample report to be submitted soon.07/18/2005: Sent letter to Michael Mazza, site owner, requesting information. M. Brand NYSDEC DER Albany.07/27/2005: Spoke with Michael Mazza, site owner. Site was completely renovated, 10 old tanks removed, four new tanks installed, 600-700 tons of contaminated soil removed. Mazza will send in information. M. Brand NYSDEC DER Albany.08/03/2005: Received information from site owner. Information included:- Disposal tickets and invoices for the off-site disposal of 698.01 tons of contaminated soil;- Laboratory analyses for samples of stockpiled soil;- Test results for gasoline dispensers and new tanks dated 09/19/2002 (for new tanks installed in 2000);- Petroleum Bulk Storage Registration Certificate for four new tanks installed on 02/01/2000; and,- Invoice for recent inspection (03/01/2004) of facility and underground tanks by the NYC Fire Department Bureau of Fire Protection. M. Brand NYSDEC DER Albany.09/07/2005: Information reviewed and determined to be acceptable documentation of site cleanup. Site closed and NFA letter sent to site owner. M. Brand NYSDEC DER Albany.5/10/13-Vought-Received email from NYCOER Shaminder Chawla (Ph:212-442-3007 email ShaminderC@dep.nyc.gov) that "I have one Pre-App meeting today at 10 AM. Site is an old Gas station with closed spill #9913082. BTEX in soil: 139,000 ppb BTEX in gw: 353,700 ppb Attached figure indicates gw plume migration. If you are available, I like to talk about this around 9.45 AM". Attached to email was PDF with site plan and soil and groundwater data that was recently collected in 5/3/13. Vought spoke with RSE and spill reopened due to possible off-site migration of petroleum contaminants that was unknown at the time of this closure, Environmental conditions related to this spill case which were unknown to the Department at the time of this closure and information received, in whole or part, after the Department's spill case closure, which indicates the corrective action was not sufficiently protective of human health and/or the environment. Spill assigned to DEC Kann as

GASGO (Continued) **S104510008**

per RSE and Vought provided information for Kann to NYCOER Chawla. Groundwater analyticals recently collected show up to 353,700ppb BTEX and soil up to 139,000ppb BTEX. OER Chawla noted that a new purchaser has three weeks to decide to buy the site and their decision is partially based on DEC requirements and would like to set up a meeting on 5/13 to discuss. OER Chawla noted that they are looking to develop site with a slab on grade foundation with ground floor retail shops. OER Chawla noted that tank location was excavated to 11'bg to groundwater and sidewalk along 43rd Street was also excavated to 11'bg as part of a utility installation. Vought noted that a RAP must be approved prior to site development.5/10/13: J.Kann - left a phone message for Shaminder Chawla (OER) and also sent an email to him requesting any additional information that he may have on the site (i.e. is there a complete report that was prepared by Advanced Cleanup Technologies?).5/13/13: J.Kann - received a Phase II from ACT. A tank closure report from 2000 was also submitted. Scheduled a meeting for Wednesday may 15 at 9am. Spoke to Shaminder Chawla at OER and Paul Stewart of ACT. Meeting time is acceptable.5/15/13: J.Kann - met with potential buyer of the property, their attorney and environmental consultant. Shaminder Chawla of OER was also present. Sign in sheet is edoced. Discussed steps in moving forward and possible requirements for remediation (which includes off-site gw well installation and sampling, as well as on-site excavation below groundwater).5/23/13: J.Kann - recvd a work plan from ACT on 5/22/13 which included the installation of 5 off site wells. Approval letter was sent on 5/23 noting that one proposed well was on the other side of a subway line (edoced).

Remarks: WHILE UNCOVERING TANKS FOR REMOVAL, CONTAMINATED SOIL WAS DISCOVERED. SAMPLES TAKEN.

Material:

Site ID:	116791
Operable Unit ID:	1087622
Operable Unit:	01
Material ID:	294942
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

39
WNW
< 1/8
0.080 mi.
421 ft.

LOT 12,TAXBLOCK 433
25-25 44 DRIVE
QUEENS, NY 11101

NY E DESIGNATION **S108469532**
N/A

Relative:
Higher

Actual:
17 ft.

E DESIGNATION:

Tax Lot(s):	12
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2525 44 DRIVE LLC C/O
Lot Area:	000020000
Total Building Floor Area:	00000004320
Commercial Floor Area:	00000004320
Office Floor Area:	00000004320
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0128.00
Lot Depth:	0115.50
Building Frontage:	0080.00
Building Depth:	0054.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

Basement Type Grade:	5
Land Assessed Value:	00000202500
Total Assessed Value:	00000315000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.22
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330012
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000165
Y Coordinate:	0211633
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	12
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2525 44 DRIVE LLC C/O
Lot Area:	000020000
Total Building Floor Area:	00000004320
Commercial Floor Area:	00000004320
Office Floor Area:	00000004320
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0128.00
Lot Depth:	0115.50
Building Frontage:	0080.00
Building Depth:	0054.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000202500
Total Assessed Value:	00000315000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.22
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330012
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000165
Y Coordinate:	0211633
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

E40 **MANHOLE # 2353** **NY Spills** **S106720457**
NNE **JACKSON VAE/DUTCHKILL STR** **N/A**
< 1/8 **QUEENS, NY**
0.089 mi.
471 ft. **Site 1 of 6 in cluster E**

Relative:
Higher

Actual:
14 ft.

SPILLS:

Facility ID:	0409173
DER Facility ID:	269247
Facility Type:	ER
Site ID:	334038
DEC Region:	2
Spill Date:	11/11/2004
Spill Number/Closed Date:	0409173 / 1/13/2005
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	11/11/2004
CID:	41
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/19/2004
Spill Record Last Update:	5/31/2005
Spiller Name:	ERT DESK
Spiller Company:	MANHOLE # 2353
Spiller Address:	JACKSON VAE/DUTCHKILL STR
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	11/11/04 1326hrs - Paul Kelly found 1 gallon unknown oil on 300 gallons water in M2353. No fire/smoke involved. No sewers or waterways affected. No private property affected. Sample taken. Env. stop tag # 42315 placed. Clean up pending test results. UPDATE 11/11/04 18:27 HRS AS PER PRIOR SOAAX ON DESK THIS IS BEING CLEANED AS 50-499, A TANKER HAS BEEN ORDERED, NO EPA REQUIRED PER MANIFEST PROGRAM, THIS FEEDER 1Q07 IS CURRENTLY OFF.UPDATE 11/11/04 18:53 HRS ENV SUPV J. DEKANCHUK REPORTS FINDING AN EARTHEN SUMP, INCIDENT TO BE REMOVED FROM 24 HOUR PROGRAM.UPDATE 11/11/04 19:48 HRS EPA NYP 004 126 801 ISSUED FOR 3 BARRELS OF WASTE AND PPE.Lab Sequence Number: 04-09409-001 - PCBs < 1 ppmOPERATING SUPERVISOR J. DEKANCHUK REPORTS 50 - 499 CLEAN UP PERFORMED. CORP. TANKER REMOVED 590 GALS OF WATER FROM MH 2353. ENVIRONMENTAL OPS CREW REMOVED THREE BARRELS OF SOLID WASTE. A EARTHEN SUMP WAS FOUND. SUMP WAS DUG OUT TO CLEAN SOIL AND

MANHOLE # 2353 (Continued) **S106720457**

SAMPLED. SUMP WAS SEALED WITH CEMENT. MH WAS DOUBLE WASHED WITH BIO GEN 760, WASH WATER WAS PUMPED INTO TANKER. BARRELS WERE PICKED UP BY ASTORIA TRANSPORTATION. A S PER PHONE CALL TO ASTORIA CHEM LAB PCB RESULTS WERE LESS THAN ONE PPM. ENVIRONMENTAL TAG # 42315 WAS REMOVED JOB IS COMPLETE AS OF 2215 HRS11-11-04

Remarks: ON 300 GALLONS OF WATER: CONED # 156214

Material:

Tank Test:

E41
NNE
< 1/8
0.089 mi.
472 ft.

Relative:
Higher

Actual:
14 ft.

NYSDOT - THOMSON AVENUE BRIDGE
JACKSON AVE & DUTCH KILLS RD
LONG ISLAND CITY, NY

RCRA NonGen / NLR **1000554113**
FINDS **NYD986965705**

Site 2 of 6 in cluster E

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT - THOMSON AVENUE BRIDGE
Facility address:	JACKSON AVE & DUTCH KILLS RD LONG ISLAND CITY, NY 11101
EPA ID:	NYD986965705
Mailing address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact:	JOSEPH FARO
Contact address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-7017
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT
Owner/operator address:	ONE HUNTERS POINT PLZ LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 482-4801
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT
Owner/operator address:	ONE HUNTERS POINT PLZ LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 482-4801
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

NYSDOT - THOMSON AVENUE BRIDGE (Continued) **1000554113**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Facility name: NYSDOT - THOMSON AVENUE BRIDGE
- Classification: Not a generator, verified

- Date form received by agency: 08/02/1991
- Facility name: NYSDOT - THOMSON AVENUE BRIDGE
- Classification: Not a generator, verified

- Violation Status: No violations found

FINDS:

- Registry ID: 110008064995

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

F42 **LOT 35,TAXBLOCK 433** **NY E DESIGNATION** **S108469561**
NNW **43-15 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.099 mi.
522 ft. **Site 1 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:
- Tax Lot(s): 35
- E-No: E-104
- Effective Date: 7/26/2001
- Satisfaction Date: Not reported
- Ceqr Number: 00DCP055Q
- Ulurp Number: 000406(A)ZMQ
- Zoning Map No: 8d, 9b
- Description: Underground Gasoline Storage Tanks* Testing Protocol.
- Borough Code: QN

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B2
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-15 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001992
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0036.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003330
Total Assessed Value:	00000018679
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Borough Tax Block And Lot:	4004330035
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000273
Y Coordinate:	0211765
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	35
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B2
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-15 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001992
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0036.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003330
Total Assessed Value:	00000018679
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330035
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000273
Y Coordinate:	0211765
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F43 **LOT 31,TAXBLOCK 433** **NY E DESIGNATION** **S108469556**
NNW **43-25 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.100 mi.
526 ft. **Site 2 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	31
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	CENTRALIZED LABORATOR
Lot Area:	000014292
Total Building Floor Area:	00000020000
Commercial Floor Area:	00000020000
Office Floor Area:	00000010000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000010000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0200.00
Building Frontage:	0100.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000193500
Total Assessed Value:	00000549000
Land Exempt Value:	00000193500
Total Exempt Value:	00000549000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330031
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000226
Y Coordinate:	0211723
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	31
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	CENTRALIZED LABORATOR
Lot Area:	000014292
Total Building Floor Area:	00000020000

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Commercial Floor Area:	00000020000
Office Floor Area:	00000010000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000010000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0200.00
Building Frontage:	0100.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000193500
Total Assessed Value:	00000549000
Land Exempt Value:	00000193500
Total Exempt Value:	00000549000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330031
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000226
Y Coordinate:	0211723
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F44 **CENTRALIZED LAB SERVICES INC** **RCRA NonGen / NLR** **1000418525**
NNW **43-25 HUNTER ST** **FINDS** **NYD057430100**
< 1/8 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.100 mi.
526 ft. **Site 3 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CENTRALIZED LAB SERVICES INC
Facility address:	43-25 HUNTER ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD057430100
Mailing address:	HUNTER ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	HUNTER ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CENTRALIZED LAB SERVICES INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: CENTRALIZED LAB SERVICES INC
Classification: Unverified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004360851

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD057430100
Country: USA
Mailing Name: CENTRALIZED LAB SERVICES INC
Mailing Contact: CENTRALIZED LAB SERVICES INC
Mailing Address: 43-25 HUNTER ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-2300

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 2008-11-19

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Trans1 Recv Date:	2008-11-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-11-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD057430100
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	002447732FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-10-10
Trans1 Recv Date:	2008-10-10
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-10-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD057430100
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	130.0
Units:	P - Pounds
Number of Containers:	13.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	002446217FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

F45 **LOT 36,TAXBLOCK 433** **NY E DESIGNATION** **S108469562**
NNW **43-11 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.100 mi.
526 ft. **Site 4 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	36
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-11 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000000500
Commercial Floor Area:	00000000500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0025.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029250
Total Assessed Value:	00000033885
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330036
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000306
Y Coordinate:	0211744
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	36
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-11 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000000500
Commercial Floor Area:	00000000500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0025.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029250
Total Assessed Value:	00000033885
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330036
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000306
Y Coordinate:	0211744

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F46 **LOT 37,TAXBLOCK 433** **NY E DESIGNATION** **S108469563**
NNW **43-09 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.101 mi.
531 ft. **Site 5 of 7 in cluster F**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	37
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B1
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-09 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001900
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0038.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003187
Total Assessed Value:	00000017572
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.76
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330037
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000313
Y Coordinate:	0211785
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	37
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B1
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-09 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001900
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0038.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003187
Total Assessed Value:	00000017572
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.76
Maximum Allowable Far:	10.00
Borough Code:	4

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Borough Tax Block And Lot:	4004330037
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000313
Y Coordinate:	0211785
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F47 **SPILL NUMBER 0105318** **NY LTANKS** **S105135086**
NNW **43-09 HUNTERS STREET** **NY Spills** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.101 mi.
531 ft. **Site 6 of 7 in cluster F**

Relative:
Lower

Actual:
12 ft.

LTANKS:

Site ID:	242115
Spill Number/Closed Date:	0105318 / 6/30/2003
Spill Date:	8/16/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	8/16/2001
CID:	207
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/16/2001
Spill Record Last Update:	6/30/2003
Spiller Name:	CALLER
Spiller Company:	MB TRUCKING
Spiller Address:	1281 VIELE AV
Spiller City,St,Zip:	BRONX, NY 10474-
Spiller County:	001
Spiller Contact:	GABE RICCI
Spiller Phone:	(718) 328-3275
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	262305

SPILL NUMBER 0105318 (Continued) **S105135086**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks: cleanup completed

Material:
Site ID: 242115
Operable Unit ID: 842224
Operable Unit: 01
Material ID: 533792
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 3
Units: Gallons
Recovered: 3
Resource Affected: Not reported
Oxygenate: False

Tank Test:

SPILLS:
Facility ID: 9809062
DER Facility ID: 262305
Facility Type: ER
Site ID: 325643
DEC Region: 2
Spill Date: 10/20/1998
Spill Number/Closed Date: 9809062 / 10/21/1998
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 10/20/1998
CID: 282
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 10/20/1998
Spill Record Last Update: 5/14/2002
Spiller Name: MR THOMSEN
Spiller Company: MR THOMSEN
Spiller Address: 43-09 HUNTERS STREET
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller Company: 001
Contact Name: MR THOMSEN
Contact Phone: (212) 932-0480

SPILL NUMBER 0105318 (Continued) **S105135086**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CLEANED BY RP.

Remarks: PIPE FAILED LEADING TO THE TANK.TANK IS IN THE BASEMENT.SPILL WENT ONTO THE PLATFORM NEAR THE TANK SPILL WAS CLEANED UP THEY STATEDEXACT AMOUNT WAS UNKNOWN.

Material:

Site ID:	325643
Operable Unit ID:	1070254
Operable Unit:	01
Material ID:	316526
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G48 **LOT 41,TAXBLOCK 433** **NY E DESIGNATION** **S108469568**
North **27-10 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.101 mi.
534 ft. **Site 1 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	41
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	COMASKEY HOLDINGS,
Lot Area:	000002000
Total Building Floor Area:	00000002250
Commercial Floor Area:	00000002250
Office Floor Area:	00000000250
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000063000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.13
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330041
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000399
Y Coordinate:	0211751
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Tax Lot(s):	41
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	COMASKEY HOLDINGS,
Lot Area:	000002000
Total Building Floor Area:	00000002250
Commercial Floor Area:	00000002250
Office Floor Area:	00000000250
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000063000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.13
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330041
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000399
Y Coordinate:	0211751
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F49 **49 HUNTER PLACE/S.I.** **NY Spills** **S102146133**
NNW **49 HUNTER PLACE** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.101 mi.
535 ft. **Site 7 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

SPILLS:

Facility ID:	9011053
DER Facility ID:	59223
Facility Type:	ER
Site ID:	60720
DEC Region:	2
Spill Date:	1/17/1991
Spill Number/Closed Date:	9011053 / 1/17/1991
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4301
Investigator:	JAMES
Referred To:	Not reported
Reported to Dept:	1/17/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	1/17/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

49 HUNTER PLACE/S.I. (Continued) **S102146133**

Date Entered In Computer:	1/29/1991
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	DONITA ARUNY
Spiller Address:	49 HUNTER PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DURING ROUTINE MAINTENANCE OF OIL STORAGE SYSTEM OIL WAS DISCOVERED INMORNING,OIL FOUND ON FLOOR IN BASEMENT, CITGO REPAIRING LINES, DEC TO FOLLOW UP AS NEEDED.

Material:

Site ID:	60720
Operable Unit ID:	948079
Operable Unit:	01
Material ID:	431147
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G50 **EDR US Hist Auto Stat** **1015379502**
North **2706 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.102 mi.
538 ft. **Site 2 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:

Name:	RUNWELL AUTO REPAIRS
Year:	1999
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2000
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2001
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2002
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2003
Address:	2706 43RD AVE

(Continued) **1015379502**

Name: RUNWELL AUTO REPAIRS INC
Year: 2004
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2005
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2006
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2007
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2008
Address: 2706 43RD AVE

G51 **EDR US Hist Auto Stat** **1015379565**
North **2707 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.103 mi.
543 ft. **Site 3 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:
Name: ENGINE FACTORY
Year: 1999
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2000
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2003
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2004
Address: 2707 43RD AVE

H52 **COURT SQUARE** **RCRA-SQG** **1000694118**
WSW **45-18 COURT SQ** **FINDS** **NYD987003910**
< 1/8 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.103 mi.
545 ft. **Site 1 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

RCRA-SQG:
Date form received by agency: 08/28/2012
Facility name: TRANE CO THE
Facility address: 45-18 COURT SQ
LONG ISLAND CITY, NY 11101
EPA ID: NYD987003910
Mailing address: COURT SQ

COURT SQUARE (Continued) **1000694118**

LONG ISLAND CITY, NY 11101
Contact: TOM E KELLY
Contact address: COURT SQ
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 269-3647
Contact email: THOMAS.KELLY@TRANE.COM
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THE TRANE CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Owner/operator name: THE TRANE CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: TRANE CO THE

COURT SQUARE (Continued) **1000694118**

Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 05/12/1992
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110008075830

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987003910
Country: USA
Mailing Name: COURT SQUARE
Mailing Contact: WILLIAM R KLEIN
Mailing Address: 60 EAST 56 STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10022
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-751-4620

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000081205
Trans2 State ID: NJD071629976
Generator Ship Date: 24-Apr-2013 00:00:00

COURT SQUARE (Continued) **1000694118**

Trans1 Recv Date:	24-Apr-2013 00:00:00
Trans2 Recv Date:	26-Apr-2013 00:00:00
TSD Site Recv Date:	10-May-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003310586SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	NYB5586084
Manifest Status:	Completed copy
Trans1 State ID:	HL4120
Trans2 State ID:	Not reported
Generator Ship Date:	920623
Trans1 Recv Date:	920623
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920623
Part A Recv Date:	920716
Part B Recv Date:	920702
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	Not reported
Manifest Status:	Not reported

COURT SQUARE (Continued) **1000694118**

Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-08-22
Trans1 Recv Date:	2012-08-22
Trans2 Recv Date:	2012-09-05
TSD Site Recv Date:	2012-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003309111SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-08-22
Trans1 Recv Date:	2012-08-22
Trans2 Recv Date:	2012-09-05
TSD Site Recv Date:	2012-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003309111SKS

COURT SQUARE (Continued) **1000694118**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-11-07
Trans1 Recv Date:	2012-11-07
Trans2 Recv Date:	2012-11-12
TSD Site Recv Date:	2012-11-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003310531SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

G53 **LOT 39,TAXBLOCK 433** **NY E DESIGNATION** **S108469566**
North **27-06 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.103 mi.
545 ft. **Site 4 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	39
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LIEBERMAN, DONALD
Lot Area:	000004000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000004000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0080.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000121950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330039
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000360
Y Coordinate:	0211769
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	39
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LIEBERMAN, DONALD
Lot Area:	000004000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000004000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0080.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000121950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330039
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000360
Y Coordinate:	0211769
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

G54 **EDR US Hist Auto Stat** **1015379128**
North **2702 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.104 mi.
548 ft. **Site 5 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:

Name: HUNTER AUTO
Year: 2001
Address: 2702 43RD AVE

Name: HUNTER AUTO
Year: 2002
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2004
Address: 2702 43RD AVE

Name: T AUTO REPAIR & AUTO BODY
Year: 2006
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2007
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2008
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2010
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2011
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2012
Address: 2702 43RD AVE

G55 **LOT 38,TAXBLOCK 433** **NY E DESIGNATION** **S108469565**
North **27-02 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.105 mi.
557 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	38
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	P A R 328 ASSOCIATES,
Lot Area:	000002000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000002000
Retail Floor Area:	00000000000
Garage Floor Area:	00000002000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000123750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	1996
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330038
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000368
Y Coordinate:	0211816
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	38
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	P A R 328 ASSOCIATES,
Lot Area:	000002000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000002000
Retail Floor Area:	00000000000
Garage Floor Area:	00000002000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000123750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	1996
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330038
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000368
Y Coordinate:	0211816
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

G56 **MTA NYCT - VENT PLANT 5103** **NY MANIFEST** **S110306083**
North **HUNTER ST & 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.107 mi.
563 ft. **Site 7 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

NY MANIFEST:

EPA ID:	NYR000171173
Country:	USA
Mailing Name:	MTA NYCT - VENT PLANT 5103
Mailing Contact:	MTA NYCT - VENT PLANT 5103
Mailing Address:	2 BROADWAY ROOM A27.64
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-5777
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2010-04-01
Trans1 Recv Date: 2010-04-01
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2010-04-01
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000171173
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2010
Manifest Tracking Num: 000959575GBF
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2011-02-15
Trans1 Recv Date: 2011-02-15
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2011-02-15
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000171173
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 100.0
Units: P - Pounds
Number of Containers: 1.0

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	001056812GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-02-15
Trans1 Recv Date:	2011-02-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-02-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	001056812GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Trans2 State ID:	Not reported
Generator Ship Date:	2011-06-24
Trans1 Recv Date:	2011-06-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-06-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	40.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003534930JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-10-07
Trans1 Recv Date:	2010-10-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Quantity:	217.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	006877405JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

G57 **MTA NYCT - VENT PLANT 5103** **RCRA-SQG** **1012211710**
North **HUNTER ST & 43RD AVE** **NYR000171173**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.107 mi.
563 ft. **Site 8 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

RCRA-SQG:

Date form received by agency:	12/29/2009
Facility name:	MTA NYCT - VENT PLANT 5103
Facility address:	HUNTER ST & 43RD AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000171173
Mailing address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1968

MTA NYCT - VENT PLANT 5103 (Continued) **1012211710**

Owner/Op end date: Not reported

Owner/operator name: MTA NYCT
Owner/operator address: BROADWAY 5TH FLOOR 503
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

H58 **43-40 COURT SQUARE / QUEE** **NY Spills** **S104495129**
WSW **43-40 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.107 mi.
566 ft. **Site 2 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

SPILLS:
Facility ID: 8702187
DER Facility ID: 112689
Facility Type: ER
Site ID: 130778
DEC Region: 2
Spill Date: 6/17/1987
Spill Number/Closed Date: 8702187 / 6/17/1987
Spill Cause: Human Error
Spill Class: Not reported
SWIS: 4101
Investigator: TOMASELLO
Referred To: Not reported
Reported to Dept: 6/17/1987
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial

43-40 COURT SQUARE / QUEE (Continued) **S104495129**

Spill Notifier:	Police Department
Cleanup Ceased:	6/17/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/19/1987
Spill Record Last Update:	11/26/1996
Spiller Name:	Not reported
Spiller Company:	EAGLE ELECTRIC
Spiller Address:	43-40 COURT SQUARE
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FORK LIFT ACCIDENT RUPTURED CONTAINERS, MATERIALS MIXED AFTER ACCIDENT AND CAUSED A GAS TO FORM.

Material:

Tank Test:

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59 **EDR US Hist Auto Stat** **1015355789**
WNW **2413 44TH DR** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.109 mi.
576 ft.

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	2003
Address:	2413 44TH DR
Name:	GREGS AUTO BODY SHOP
Year:	2004
Address:	2413 44TH DR

E60 **LOT 8,TAXBLOCK 432** **NY E DESIGNATION** **S108469581**
NE **27-35 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.109 mi.
578 ft. **Site 3 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Community District:	402
Census Tract:	19
Census Block:	1004
School District:	30
City Council District:	26
Fire Company:	E258
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R9
Zone District 2:	M1-5/R7-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R9/LIC
All Components2:	M1-5/R7-3
Split Boundary Indicator:	Y
Building Class:	F2
Land Use Category:	06
Number of Easements:	1
Owner, Type of Code:	Not reported
Owner Name:	27-35 JACKSON AVENUE
Lot Area:	000022500
Total Building Floor Area:	00000078500
Commercial Floor Area:	00000078500
Office Floor Area:	00000016500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000016500
Factory Floor Area:	00000045500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00004
Lot Frontage:	0225.00
Lot Depth:	0099.75
Building Frontage:	0220.00
Building Depth:	0090.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000350100
Total Assessed Value:	00001291500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1965
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0003.49
Maximum Allowable Far:	07.52
Borough Code:	4

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Borough Tax Block And Lot:	4004320008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000782
Y Coordinate:	0211864
Zoning Map:	09B
Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	1004
School District:	30
City Council District:	26
Fire Company:	E258
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R9
Zone District 2:	M1-5/R7-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R9/LIC
All Components2:	M1-5/R7-3
Split Boundary Indicator:	Y
Building Class:	F2
Land Use Category:	06
Number of Easements:	1
Owner, Type of Code:	Not reported
Owner Name:	27-35 JACKSON AVENUE
Lot Area:	000022500
Total Building Floor Area:	00000078500
Commercial Floor Area:	00000078500
Office Floor Area:	00000016500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000016500

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Factory Floor Area:	00000045500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00004
Lot Frontage:	0225.00
Lot Depth:	0099.75
Building Frontage:	0220.00
Building Depth:	0090.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000350100
Total Assessed Value:	00001291500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1965
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0003.49
Maximum Allowable Far:	07.52
Borough Code:	4
Borough Tax Block And Lot:	4004320008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000782
Y Coordinate:	0211864
Zoning Map:	09B
Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E61 **MINI M,ICRO SUPPLI INC** **NY AST** **U003388903**
NE **27-35 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.109 mi.
578 ft. **Site 4 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-283118

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Program Type: PBS
UTM X: 589473.25162999996
UTM Y: 4511320.2492399998
Expiration Date: 2017/10/23
Site Type: Other Wholesale/Retail Sales

Affiliation Records:

Site Id: 12486
Affiliation Type: Facility Owner
Company Name: 27-35 JACKSON AVENUE PROPERTY LLC
Contact Type: OWNER
Contact Name: PHYLLIS SHIH
Address1: 27-35 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 11/13/2012

Site Id: 12486
Affiliation Type: Mail Contact
Company Name: MINI MICRO SUPPLY INC
Contact Type: Not reported
Contact Name: PHYLLIS SHIH
Address1: 27-35 JACKSON AVE
Address2: Not reported
City: L.I.C.
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 12486
Affiliation Type: On-Site Operator
Company Name: MINI M,ICRO SUPPLI INC
Contact Type: Not reported
Contact Name: RAY LIANG
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 11/13/2012

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Site Id:	12486
Affiliation Type:	Emergency Contact
Company Name:	27-35 JACKSON AVENUE PROPERTY LLC
Contact Type:	Not reported
Contact Name:	RAY LIANG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/13/2012

Tank Info:

Tank Number:	005
Tank Id:	14851
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H99 - Tank Leak Detection - Other
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1965
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/13/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	008
Tank Id:	14852
Material Code:	0001

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)
C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
H99 - Tank Leak Detection - Other
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1965
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/13/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

E62 **CAB MANAGEMENT CORP** **NY UST** **1000551189**
NE **27-34 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.112 mi.
589 ft. **Site 5 of 6 in cluster E**

Relative: Higher

Actual: 15 ft.

UST:

Id/Status:	2-017647 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/10/23
UTM X:	589472.16082999995
UTM Y:	4511319.68095
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	151
Affiliation Type:	On-Site Operator
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	CAB MANAGEMENT CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001

CAB MANAGEMENT CORP (Continued) **1000551189**

Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Emergency Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 455-2380
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Mail Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	27-34 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	JVASEY@CMCNYC.BIZ
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Site Id:	151
Affiliation Type:	Facility Owner
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	27-34 JACKSON AVE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

CAB MANAGEMENT CORP (Continued) **1000551189**

Tank Info:

Tank Number:	001
Tank ID:	27075
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	08/01/1983
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	21
Date Test:	10/06/2011
Next Test Date:	10/06/2016
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	10/08/2013

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
D02 - Pipe Type - Galvanized Steel
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
G05 - Tank Secondary Containment - Synthetic Liner
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None

E63 **CAB MANAGEMENT CORP** **NY AST** **A100352965**
NE **27-34 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.112 mi.
589 ft. **Site 6 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017647
Program Type:	PBS
UTM X:	589472.16082999995
UTM Y:	4511319.68095
Expiration Date:	2017/10/23
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	151
Affiliation Type:	On-Site Operator
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported

CAB MANAGEMENT CORP (Continued) **A100352965**

Contact Name:	CAB MANAGEMENT CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Emergency Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 455-2380
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Mail Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	27-34 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	JVASEY@CMCNYC.BIZ
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Site Id:	151
Affiliation Type:	Facility Owner
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	27-34 JACKSON AVE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101

CAB MANAGEMENT CORP (Continued) **A100352965**

Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Tank Info:

Tank Number:	002
Tank Id:	236118
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
E00 - Piping Secondary Containment - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1998
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2013
Material Name:	Waste Oil/Used Oil

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64 **DUTCH KILL/SCRAP YARD** **NY Spills** **S102143117**
ESE **DUTCH KILL** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.113 mi.
595 ft.

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	9204680
DER Facility ID:	110138
Facility Type:	ER
Site ID:	127567
DEC Region:	2
Spill Date:	7/23/1992
Spill Number/Closed Date:	9204680 / 7/23/1992
Spill Cause:	Unknown

DUTCH KILL/SCRAP YARD (Continued) **S102143117**

Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	7/23/1992
CID:	Not reported
Water Affected:	NEWTOWN CREEK
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	7/23/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/28/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN.
Remarks:	SHEEN CONFIRMED NON-RECOVERABLE BY USCG.

Material:

Site ID:	127567
Operable Unit ID:	972187
Operable Unit:	01
Material ID:	412378
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I65 **EDR US Hist Auto Stat** **1015381090**
NE **2722 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.113 mi.
596 ft. **Site 1 of 3 in cluster I**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:
Name: BEARDSLEE TRANSMISSION EQUIPT COMPANY INCORPORATED
Year: 2000
Address: 2722 JACKSON AVE

J66 **EDR US Hist Cleaners** **1015027946**
West **2501 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.115 mi.
606 ft. **Site 1 of 6 in cluster J**

Relative:
Higher

Actual:
15 ft.

EDR Historical Cleaners:
Name: SUN CLEANERS
Year: 2005
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2006
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2007
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2008
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2010
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2011
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2012
Address: 2501 JACKSON AVE

I67 **MINI MICRO** **NY Spills** **S105235939**
NNE **27-35 JACKSON AVE** **N/A**
< 1/8 **JACKSON HEIGHTS, NY**
0.121 mi.
639 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
16 ft.

SPILLS:
Facility ID: 0108045
DER Facility ID: 108921
Facility Type: ER
Site ID: 125949
DEC Region: 2

MINI MICRO (Continued) **S105235939**

Spill Date:	11/7/2001
Spill Number/Closed Date:	0108045 / 11/14/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/7/2001
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	11/8/2001
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/7/2001
Spill Record Last Update:	7/19/2004
Spiller Name:	SAME
Spiller Company:	NEWLITE FUEL OIL COMPANY
Spiller Address:	8725 MYRTLE AVE
Spiller City,St,Zip:	GLENDALE, NY 11385-
Spiller Company:	001
Contact Name:	JOSEPH VESSIO
Contact Phone:	(718) 459-1223
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"11/08/01: MF S/I/LORI CHENG, MANAGER OF MINI MICRO. SHE TOD ME APPX 100 GALLONS OF #2FO SPILLED DUE TO GASKET PROBLEM ON THE BOILER. NEWLITE FUEL SENT A CREW LAST NITE TO CLEAN. THE CLEAN UP DEBRIS IS ON SITE, ON PLACTIC & COVERED/PLASTIC. SOME LEAKAGE NOTICED. SPEEDY DRY & PADS WERE APPLIED TO THE SPILLAGE & SWEEP UP. SOME SPEEDY DRY STILL ON THE FLOOR. STAINING ALSO ON THE FLOOR, THE CONCRETE FLOOR HAS SMALL CRACKES IN IT. THERE IS A FLOOR DRAIN WHICH AN UNKNOWN AMOUNT OF PRODUCT ENTERED. A LITTLE MORE CLEAN UP STILL HAS TO BE DONE & THE DEBRIS DISPOSED OF. CALLED LISA HOUER, TRISTATE 718-861-3159. A CREW IS ON THE WAY THERE NOW, THEY WILL SWEEP UP THE SPEEDY DRY & CLEAN A LITTLE BETTER UNDER THE BOILER. THE DEBRIS WILL BE REMOVED TODAY & DISPOSED OF TOMORROW. SHE WILL SENT THE RECEIPT TO TIM.
Remarks:	gasket on the manhole failed gauge was not giving reading properly.

Material:

Site ID:	125949
Operable Unit ID:	846082
Operable Unit:	01
Material ID:	552697
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MINI MICRO (Continued) **S105235939**

Tank Test:

H68 **CITICORP AT COURT SQUARE** **NY AST** **A100293558**
WSW **25-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.123 mi.
648 ft. **Site 3 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-455040
Program Type:	PBS
UTM X:	589180.09545999998
UTM Y:	4511172.6065400001
Expiration Date:	2014/02/15
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	19999
Affiliation Type:	Mail Contact
Company Name:	CUSHMAN & WAKEFIELD
Contact Type:	Not reported
Contact Name:	FRED VARONE
Address1:	25-01 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 248-0715
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Site Id:	19999
Affiliation Type:	Emergency Contact
Company Name:	CITIBANK, N.A.
Contact Type:	Not reported
Contact Name:	KEITH OWEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 785-5955
EMail:	Not reported
Fax Number:	Not reported
Modified By:	exrossan
Date Last Modified:	3/17/2004

Site Id:	19999
Affiliation Type:	On-Site Operator
Company Name:	CITICORP AT COURT SQUARE

CITICORP AT COURT SQUARE (Continued) **A100293558**

Contact Type:	Not reported
Contact Name:	CUSHMAN AND WAKEFIELD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 248-1937
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Site Id:	19999
Affiliation Type:	Facility Owner
Company Name:	CITIBANK, N.A.
Contact Type:	CHIEF ENGINEER
Contact Name:	FRED VARONE
Address1:	25-01 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 248-1937
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Tank Info:

Tank Number:	04
Tank Id:	178526
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F02 - Pipe External Protection - Original Sacrificial Anode
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
A01 - Tank Internal Protection - Epoxy Liner
F06 - Pipe External Protection - Wrapped
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

CITICORP AT COURT SQUARE (Continued) **A100293558**

Install Date:	06/01/1988
Capacity Gallons:	275
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	cgfreedm
Last Modified:	04/13/2004
Material Name:	Diesel

H69 **1 COURT SQUARE** **NY Spills** **S102142523**
WSW **1 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.123 mi.
648 ft. **Site 4 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

SPILLS:

Facility ID:	9110791
DER Facility ID:	194524
Facility Type:	ER
Site ID:	236132
DEC Region:	2
Spill Date:	1/16/1992
Spill Number/Closed Date:	9110791 / 1/17/1992
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	1/16/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1/17/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/3/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	SPEEDI DRI APPLIED, PICKED UP & DISPOSED.

Material:

Site ID:	236132
Operable Unit ID:	960930
Operable Unit:	01

1 COURT SQUARE (Continued) **S102142523**

Material ID: 415868
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

H70 **CITICORP AT COURT SQUARE** **NY UST** **U004062303**
WSW **25-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.123 mi.
648 ft. **Site 5 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

UST:
Id/Status: 2-455040 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 2014/02/15
UTM X: 589180.09545999998
UTM Y: 4511172.6065400001
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 19999
Affiliation Type: Mail Contact
Company Name: CUSHMAN & WAKEFIELD
Contact Type: Not reported
Contact Name: FRED VARONE
Address1: 25-01 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 248-0715
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Site Id: 19999
Affiliation Type: Emergency Contact
Company Name: CITIBANK, N.A.
Contact Type: Not reported
Contact Name: KEITH OWEN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported

CITICORP AT COURT SQUARE (Continued) **U004062303**

Country Code: 999
Phone: (516) 785-5955
EMail: Not reported
Fax Number: Not reported
Modified By: exrossan
Date Last Modified: 3/17/2004

Site Id: 19999
Affiliation Type: On-Site Operator
Company Name: CITICORP AT COURT SQUARE
Contact Type: Not reported
Contact Name: CUSHMAN AND WAKEFIELD
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 248-1937
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Site Id: 19999
Affiliation Type: Facility Owner
Company Name: CITIBANK, N.A.
Contact Type: CHIEF ENGINEER
Contact Name: FRED VARONE
Address1: 25-01 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 248-1937
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Tank Info:

Tank Number: 01
Tank ID: 36937
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 6000
Install Date: 06/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN

CITICORP AT COURT SQUARE (Continued) **U004062303**

Date Test: 04/19/2003
Next Test Date: Not reported
Pipe Model: C
Modified By: cgfreedm
Last Modified: 04/13/2004

Equipment Records:

E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass

Tank Number: 02
Tank ID: 178524
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 6000
Install Date: 06/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 00
Date Test: 04/19/2003
Next Test Date: Not reported
Pipe Model: C
Modified By: cgfreedm
Last Modified: 04/13/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Tank Number: 03
Tank ID: 178525
Tank Status: In Service
Material Name: In Service

CITICORP AT COURT SQUARE (Continued) **U004062303**

Capacity Gallons:	6000
Install Date:	06/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	00
Date Test:	04/19/2003
Next Test Date:	Not reported
Pipe Model:	C
Modified By:	cgfreedm
Last Modified:	04/13/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass

K71 **MANHOLE 4440** **NY Spills** **S103936850**
ENE **4327 QUEENS ST** **N/A**
< 1/8 **QUEENS, NY**
0.124 mi.
654 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
15 ft.

SPILLS:

Facility ID:	9901252
DER Facility ID:	243541
Facility Type:	ER
Site ID:	301394
DEC Region:	2
Spill Date:	5/3/1999
Spill Number/Closed Date:	9901252 / 1/7/2000
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	5/3/1999
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

MANHOLE 4440 (Continued) **S103936850**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/1999
Spill Record Last Update:	6/14/2000
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	BILL MURPHY
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"Con ed e2mis notes:Found undiaperable sheen on approx 800 gallons of water. <1.00ppmhow performed? Structure was double washed using bio gen 760. cleaned 100%Reports found undiaperable sheen on approx 800 gallons of water in mh.Double washed structure with biogen 760 - 100% cleaned. Also inspected structrue and found no damage. Tag removed. Flush reports he put 10 gallons of cement in sump.
Remarks:	SHEEN FOUND ON 800 GAL OF WATER CONTAINED IN MANHOLE. CLEAN UP PENDING LAB RESULTS. CON ED 124-599.

Material:

Site ID:	301394
Operable Unit ID:	1079956
Operable Unit:	01
Material ID:	304798
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H72 **5 COURT SQUARE** **NY AST U003397123**
WSW **5 COURT SQUARE** **NY HIST AST N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 6 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603367
Program Type:	PBS
UTM X:	589183.38974999997
UTM Y:	4511109.3627899997
Expiration Date:	2018/03/09
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	25285

5 COURT SQUARE (Continued) **U003397123**

Affiliation Type:	Facility Owner
Company Name:	COURT SQUARE LLC
Contact Type:	MANAGER
Contact Name:	BENNY SOKOL
Address1:	152 W 57 ST 12TH FL.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 315-3390
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Site Id:	25285
Affiliation Type:	Mail Contact
Company Name:	FISHER ASSOCIATES
Contact Type:	Not reported
Contact Name:	BENNY SOKOL
Address1:	152 WEST 57TH STREET
Address2:	12TH FL
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 315-3390
EMail:	BSOKOL@FISHERASSOC.NET
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Site Id:	25285
Affiliation Type:	Emergency Contact
Company Name:	COURT SQUARE LLC
Contact Type:	Not reported
Contact Name:	VASILE DUMNICI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(347) 273-4382
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2008

Site Id:	25285
Affiliation Type:	On-Site Operator
Company Name:	COURT SQUARE LLC
Contact Type:	Not reported
Contact Name:	VASILE DUMNICI
Address1:	Not reported
Address2:	Not reported

5 COURT SQUARE (Continued) **U003397123**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 257-0944
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Tank Info:

Tank Number:	001
Tank Id:	54019
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None
D02 - Pipe Type - Galvanized Steel
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
J05 - Dispenser - On Site Heating System (Supply/Return)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/24/1954
Capacity Gallons:	2020
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	03/18/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-603367
SWIS Code:	6301
Operator:	LARRY GANGAWAY
Facility Phone:	(718) 784-9303
Facility Addr2:	Not reported
Facility Type:	Not reported
Emergency:	LARRY GANGAWAY
Emergency Tel:	(718) 781-9303
Old PBSNO:	Not reported
Date Inspected:	Not reported

5 COURT SQUARE (Continued) **U003397123**

Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	COURT SQUARE ASSOCIATES
Owner Address:	1775 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10019
Federal ID:	Not reported
Owner Tel:	(212) 315-3390
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	JACK BERKOVICH
Mailing Name:	FISHER ASSOCIATES
Mailing Address:	1775 BROADWAY, SUITE 515
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10019
Mailing Telephone:	(212) 315-3390
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	03/11/1998
Expiration:	03/09/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	1
Tank External:	1
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	1
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported

5 COURT SQUARE (Continued) **U003397123**

Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

H73 **COURT PLAZA** **NY LTANKS** **S110309405**
WSW **5 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 7 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	431696
Spill Number/Closed Date:	1000528 / Not Reported
Spill Date:	4/13/2010
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	RVKETANI
Referred To:	082413 TETRA TECH RECVD DRAWINGS COMMENTS FROM MTA
Reported to Dept:	4/13/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	4/13/2010
Spill Record Last Update:	8/26/2013
Spiller Name:	Not reported
Spiller Company:	FISHER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	RENE LEWIS
Spiller Phone:	(917) 299-9302
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	25193
DEC Memo:	04/13/10-Hiralkumar Patel. as oil was found on water in subway tunnel underneath the subject building, asked building manager to do tank test on a 2,000 gal #2 oil tank.2:00 PM:- visited site. met Mr. Sokol, property manager. Eastmond did fill line test and it failed. asked Mr. Sokol, to seal fill port to prevent further release. fill port at the site is about 15 ft away from the area where oil found seeping into subway tunnel. asked Mr. Sokol to do tank only test also to confirm no leak from tank.Court Square LLC. **property owner**c/o Fisher Associates **management office**Carnegie Hall Tower 152 West 57th Street, 12th FloorNew York, NY 10019Attn.: Benny Sokol **property manager**Ph. (212) 315-3390 Ext. 214 (O) (347) 273-0998 (C)Fax (212) 937-8814email: bsokol@fisherassoc.net04/15/10-Hiralkumar Patel. received email from Mr. Sokol (at 6:53 PM on 04/13/10) with

COURT PLAZA (Continued) **S110309405**

their insurance company info.Hub International **insurance broker**contact: Cynthia ChinPH. (212) 338-285810:09 AM:- spoke with Mr. Sokol. Eastmond is at the site to do tank only test and then will expose the fill line. asked Mr. Sokol to wait for excavation along fill line as may need approval from MTA.10:14 AM:- spoke with Haroon in System Safety at MTA. Haroon mentioned that contractor doesn't need any approval from MTA for sidewalk breaking or fill line repair. asked Haroon to send someone to the site to guide contractor if deeper excavation is required (due to proximity to the subway structure).Haroon Aslam **spill case manager in MTA**PH. (646) 252-3607 (646) 252-5777email: haroon.aslam@nyct.com10:18 AM:- spoke with Mr. Sokol. asked him to finish tank only test first and expose fill line. informed Mr. Sokol that no deeper excavation should be performed until MTA approves the work.11:45 AM:- visited site. met Mr. Sokol and Haroon. eastmond crew was working to test tank. spoke with Rene at Eastmond. they have applied for DOT permit and expect to start work on 04/19/10. inspected track area with Mr. Sokol and Haroon. area was in same condition with little more oil than previous site visit. some odors at the end of platform in leak area. Haroon asked to contact Rajen Udeshi at MTA about approval for excavation near subway structure.04/16/10-Hiralkumar Patel.9:38 AM:- sent email to Mr. Sokol with Mr. Udeshi's contact info.Rajen UdeshiCapital Program Management2 Broadway, 7th FloorNew York, NY 10004Ph. (646) 252-3673email: rajen.udeshi@nyct.com04/16/10-Hiralkumar Patel.11:01 AM:- received email from Mr. Sokol. after installing new fill and vent line and repairing manhole on tank, Eastmond tested tank system and it passed the test. Mr. Sokol will submit test result, once available.04/19/10-Hiralkumar Patel.11:55 AM:- spoke with Jen at MTA. they haven't got fingerprint sample results back yet.12:47 PM:- received email from Mr. Sokol. they spoke with MTA who approved to excavated up to four feet without any engineer report. so Eastmond will expose old fill line tomorrow. Mr. Sokol also mentioned that their insurance company has hired Tetra Tech.2:51 PM:- received message from Sandra from Tetra Tech.Sandra GaurinTetra Tech EM Inc.Ph. (973) 384-9799 (O) (973) 659-9996 Ext. 245 (201) 572-0835 (C)Fax (973) 659-1287email: sandra.gaurin@tetratech.com3:20 PM:- left message for Ms. Gaurin.04/20/10-Hiralkumar Patel.2:15 PM:- visited site. met Ms. Gaurin, Mr. Sokol and Rene. Eastmond crew exposed old fill line. when contractor tried to pull out fill line from ground, fill line separated in two pieces from coupling. no broken threads observed on pipe and looks like fill line was not properly installed. found that piece of fill line towards building was anchored in ground at coupling joint. piece of fill line towards building was corroded but no holes found. corrosion holes found in piece of fill line towards sidewalk. fresh oil found under fill line. asked Ms. Gaurin to get DOT and MTA permits before further work. Eastmond will cover excavation with plastic and then backfill with clean sand as need permit for further work. Eastmond collected two soil samples (from same area) for fingerprint and age analysis.inspected subwary track area with Ms. Gaurin. found oil on tracks. asked Ms. Gaurin to submit claim number and insurance claim handler's information.asked Mr. Sokol to submit tank test result.04/23/10-Hiralkumar Patel. received email from Ms. Gaurin (at 5:24 PM on 04/21/10) with contact info for project manager at insurance company. Ms. Gaurin is preparing work plan for further work and asked whether groundwater sample from temporary geoprobe is sufficient for initial groundwater quality check or permanent well is required.Dawn KrigstinIronshore

COURT PLAZA (Continued) **S110309405**

Environmental **insurance carrier**Ph. (646) 826-6785email: Dawn.Krigstin@Ironshore.comspoke with Ms. Gaurin and informed her that permanent well is not required right now, but will be required if finds groundwater contamination in groundwater sample via temporary geoprobe.04/23/10-Hiralkumar Patel. received email from Mr. Sokol (at 7:51 PM on 04/22/10) with tank test result.12:34 PM:- received email from Jen from MTA including result of fingerpint analysis. sample collected from subway track area was found #2 oil.04/26/10-Hiralkumar Patel.10:18 AM:- received call from Mr. Daniels, environmental person at Chartis insurance which is second insurance company for the site. Mr. Daniels mentioned that both insurance companies are involved in project. asked Mr. Daniels to submit insurance claim project manager's info and clear information about who is going to handle entire cleanup project.Larry DanielsChartis InsuranceAIGPh. (201) 631-7233 (O) (917) 783-6035 (C) Fax (201) 631-5053email: larry.daniels@chartisinsurance.com11:03 AM:- received email from Tanya Crawford, analyst working on insurance claim at Chartis.Tanya Crawford **analyst**Chartis101 Hudson Street - 29th FloorJersey City, NJ 07302Ph. (201) 631-7158Fax (866) 467-3498email: tanya.crawford@chartisinsurance.comChartis Claim Number: 182-1115351:11 PM:- received email from Mr. Sokol with copy of delivery record from 01/07/08 to 04/01/10.3:43 PM:- received email from Mr. Sokol with sample results. fingerprint analysis indicates #2 oil and found heavy VOC contamination in soil sample.04/27/10-Hiralkumar Patel.4:01 PM:- after discussion with DEC Austin, as fingerprint analysis results match (#2 oil) and proximity of the subject site to the impacted subway area, spill #: 1000435 will be closed and investigated under spill #: 1000528.3:03 PM:- received email from Mr. Daniels and Ms. Gaurin requesting copy of MTA's fingerprint analysis result.04/28/10-Hiralkumar Patel.11:05 AM:- sent email to Mr. Daniels and Ms. Gaurin with copy of MTA's fingerprint analysis result.11:08 AM:- sent letter to Mr. Sokol requiring soil delineation along remote fill line, endpoint samples and at least one groundwater sample near source area. letter emailed to Mr. Sokol, Ms. Aslam, Mr. Udeshi, Ms. Gaurin, Mr. Krigstin, Mr. Daniels and Ms. Crawford.05/21/10-Hiralkumar Patel.1:29 PM:- left message for Ms. Gaurin inquiring updates.3:59 PM:- received email from Ms. Gaurin. she got drawings from MTA and now will prepare work plan for soil investigation. will submit work plan to DEC and MTA for approval next week. will apply for NYC DOT permit on 05/24/10.06/01/10-Hiralkumar Patel. received email from Ms. Gaurin (at 9:13 AM on 05/28/10) requesting deadline extension.11:00 AM:- received call from Ms. Gaurin. she mentioned that currently they are preparing work plan and will submit by end of 06/04/10. she requested 45 days extension as work plan needs to be reviewed/approved by DEC and MTA and also they need permit from DOT. based on available information, approved her request.06/08/10-Hiralkumar Patel.10:31 AM:- received work plan from Ms. Gaurin. proposes to install 12 soil borings to a depth of 10-15 ft bg. will collect two soil samples (highest PID and deepest dry) from each boring. will install one temporary well point to collect groundwater water in area where old fill line was located. will collect one more soil sample from the deepest visually impacted material for a forensic fingerprint analysis to find date of the release.work plan is not acceptable as doesn't include work schedule and also site map included in work plan doesn't include the site address and location of old fill line.06/10/10-Hiralkumar Patel.1:03 PM:- received email from Jen from

COURT PLAZA (Continued) **S110309405**

MTA. she confirmed that no more oil leak found on tracks. she asked for updates.1:32 PM:- sent email to Jen informing that the department is currently reviewing the work plan for subsurface investigation.1:36 PM:- spoke with Ms. Gaurin. asked her to submit revised work plan including timeline for report submission and general site map showing the subject site, old fill line and proposed boring locations.06/16/10-Hiralkumar Patel.4:34 PM:- received email from Ms. Gaurin with revised work plan. she proposes to submit report by end of 08/16/10.06/17/10-Hiralkumar Patel.2:21 PM:- sent work plan approval letter to Mr. Sokol requiring to submit report by end of 08/16/10. letter emailed to Mr. Udeshi, Mr. Aslam, Ms. Gaurin, Mr. Krigstin and Ms. Crawford.07/27/10-Hiralkumar Patel.11:38 AM:- received email from Ms. Gaurin. she mentioned that they have got required NYCDOT permits, but still waiting for approval from MTA. they are revising engineered drawings for MTA this week and hopefully will be in the field on August 9th. due to delay in getting approval from MTA, Ms. Gaurin requested deadline extension, for report submission, till 09/16/10.07/28/10-Hiralkumar Patel.11:25 AM:- sent email to Ms. Gaurin approving her request to submit report by 09/16/10. email copied to Mr. Sokol.08/04/10-Hiralkumar Patel.11:18 AM:- received email from Ms. Gaurin. she confirmed that work will start on 08/09/10. Francis Ronquillo (cell # 619-602-1745) from tetratech will supervise the field activities.09/07/10-Hiralkumar Patel.2:20 PM:- left message for Ms. Gaurin.4:16 PM:- received message from Ms. Gaurin. she is preparing report and will submit by 09/16/10. she mentioned that contamination found in soil samples and free product found on water.09/16/10-Hiralkumar Patel.4:24 PM:- received investigation report from Ms. Gaurin. abstract:- GPR survey indicated another line along the previously excavated remote fill line, which was later found as cable line- installed 12 soil borings to depth of 10-15 ft bg- soil under the sidewalk was poorly graded sandy soil with very little gravel- soil samples were collected either at highest PID reading or deepest dry- one temporary well installed in proximity of the source area- found free product on water sample from temporary well- groundwater was encountered at approx. 15 ft bg- one soil sample was collected at 11 ft depth from boring TTB-1 (closer to source area) forensic fingerprint analysis (results will be submitted once available)- no contamination found in borings installed near the building foundation wall (south side), but contamination found towards the street curb (towards subway) (north side)- recommends further delineation in east and west directionsoil analyticals:
----------TTB-1-------TTB-2-------TTB-5-------TTB-6---
----TTB-7 3-5 ft 3-5 ft 5-6 ft 6-7 ft 4-6
ftToluene----------4,990------16,600-------2,
130Ethylbenzene----------3,000------12,500-------2,
160Xylene----------20,400------85,600------13,300------17,
200-------6,560Naphthalene----------14,200------13,700-------2,
330------20,900------10,
800----------TTB-8-------TTB-9-------TTB-10 4-6 ft
6-8 ft 5-6.5
ftToluene----------5,490----------13,
500Ethylbenzene----------3,420----------11,
300Xylene----------32,100-------7,580-------66,
700Naphthalene----------16,300----------5,79009/20/
10-Hiralkumar Patel. after discussing with DEC Austin, case transferred to DEC Vadim due to groundwater contamination and impact

COURT PLAZA (Continued) **S110309405**

to the MTA tunnel.**refer to spill # 1000435 also.**11/8/10 - reassigned from Tibbe to JMOCONNE - sent email to TetraTech (Gaurin) asking for reports/work plans submitted but not reviewed (JOC)01/14/11 - spoke with Sandra Gaurin, Tetratech. She will prepare and provide two separate documents: work plan for installing permanent well at location of former temp to allow removal of free product in the short term; separate work plan for delineation of contam soil and gw - to be written as dynamic work plan - will include some means to evaluate whether oil migrated down along outside front (north side) of building where fill line enters building; same along inside of wall (basement has soil floor); will include sensitive receptor survey; recognized that MTA approval is needed for all work due to proximity of subway (JOC)11/28/11 - Raphael Ketani. I reviewed the Tetra Tech Inc. 11/23/11 response letter to the DEC 10/11/11 letter commenting on the additional Site Investigation Work Plan and the Interim Remedial Measure Work Plan dated April 2010. The letter described the tentative work schedule. During this week, the NYCDOT permit applications are supposed to be processed. I spoke to Sandra Gaurin (gor-in) of Tetra Tech (973) 630-8040 about this. She said that some changes were required. So the applications were resubmitted. She is hopeful that the applications will finally be accepted so that December 12 field activities can commence. I also asked her why Tetra Tech was going to use the Membrane Inter Phase screening. She said that this was Mr. O'Connell's suggestion so that Tetra Tech doesn't have to go back and forth with doing many rounds of soil sampling and taking many soil samples that need to be sent off for analysis. She said that the vapor analysis from the penetration points will tell them where the worst contamination is. I told her that the DEC will still require that soil end points be taken after all of the soil that can be excavated has been removed. She said that she expected to do in-situ treatment due to the close location to the subway. I asked her what type of building was being serviced by the fuel system. She said that it's a residential/commercial building near the court house.The letter also dealt with vertical delineation of the contamination and soil and groundwater sampling. I approved the 11/23/11 Tetra Tech letter in an e-mail to Ms. Gaurin.12/5/11 - Raphael Ketani. Ms. Gaurin (973) 630-8040 sent me an e-mail. The MIP investigation will take place between 12/19 and 12/22, and the recovery well installation will take place on 1/3/12.3/7/12 - Raphael Ketani. Today I received the TetraTech March 2012 Remedial Investigation Report. The soil and groundwater were sampled on 12/21/11. Four MIPS and two soil borings (SB-1 and SB-2) were installed. MIP-1 was installed next to the old fuel line. MIP-2 was 15 feet southwest of MIP-1 and MIP-4 was 6 feet to the northeast. The soil results for MIP-2 did not have any VOC exceedences and no BNA (bases-neutral-acid) hits. The soil results for MIP-4 at 9 feet bgs were: 3360 ppb ethylbenzene, 5310 ppb toulene, and 59,300 ppb total xylenes. The deeper soil results for MIP-4 had only one exceedence, 945 ppb of total xylenes. The great majority of the soil contamination at MIP-1 was in the 10.5 foot to 12 foot interval. These results were up to: 10,800 ppb ethylbenzene, 6240 ppb toluene, 67,100 ppb total xylenes, 23,700 ppb naphthalene, and 284 ppb benzene. There were no significant detections for the BNA analytes. The other MIP results and the results from the regular soil borings were either without exceedences or non-detect. A groundwater sample was taken at MIP-3, which is about 35 away from the old fuel line. The results were entirely non-detect.The RIR also included the

COURT PLAZA (Continued) **S110309405**

figures from the 2010 soil testing and sampling. The testing and sampling locations defined the limits of the investigation area. The results indicated that there were significant exceedences at TTB-1, 2, 5, 6, 8 and 10. I spoke to Ms. Gaurin (973) 630-8040 about the RIR. I told her that soil removal or remediation should take place at the locations of MIP-1, MIP-4, and TTB-1, 2, 5, 6, 8 and 10. I also told her that the groundwater sample which was taken at MIP-3 didn't reflect the groundwater conditions near the spill site as it was too far away (about 35 feet distance). Ms. Gaurin said that there had been a few inches of product on the water table, but it had disappeared. I asked her why the MIP-3 sampling didn't find the product. She responded that the MTA had been collecting the product that had seeped into the subway. So she assumed it had all gone there. I told her that the DEC didn't believe that this was true and that there should be some product near the old fuel pipe. I asked Ms. Gaurin to submit a work plan for excavating the contaminated soil in the affected areas. She said that excavation couldn't be done as there were too many utilities. I then told her to try treatment solutions. She said that she wasn't sure they would work. Lastly, I told Ms. Gaurin to submit a site plan showing where the utilities are in relationship to the MIP locations and the TTB locations. She said that she will.In the end, I determined that soil treatment and the installation of a well right next to MIP-1 would be necessary. I sent an e-mail to Ms. Gaurin (973) 630-8040 stating that the second investigation had been inadequate regarding the delineation of the soil contamination. I mentioned in the e-mail that high soil contamination was found at TTB-1, 2, 5, 6, 8 and 10, and at MIP-1 and MIP-4. I also stated that borings should have been performed extending away from these locations until the limit of the soil contamination had been found. Lastly, I asked for a scaled drawing showing where all of the utilities were.Ms. Gaurin responded by e-mail that the TTB series of borings were meant for only internal TetraTech use in order to evaluate the MIP responses. That is why they were in the appendices. She also stated that they were performed in 2010 and don't reflect current conditions.12/11/12 - Raphael Ketani. Ms. Gaurin (973) 630-8040 called to say that she just recently realized that the DEC hadn't been sent the information that was requested some time ago. She said that the project manager had left and so things came to a standstill regarding the project. She will send the DEC the information very soon. 12/24/12 - Raphael Ketani. I reviewed the Addendum to the Remedial Investigation Report dated April 2012 and revised December 2012. The information in the revised Addendum confirmed the results of the earlier March 2012 Remedial Investigation Report and contained additional data.The additional information and data consisted of the fact that only 4 Membrane Interface Probe MIP locations could be installed due to the presence and density of the utilities. In the Addendum, it is stated that there is universal refusal at 20 feet bgs. However, it is not mentioned whether this is due to the presence of the subway tunnel. Also, the silt content of the soil markedly increased from about 14 to 15 feet bgs. Again, this may be due to the method of subway tunnel construction - the silt acting as a protective layer from ground vibration from the street above. Groundwater recovery was limited to 11 to 14 feet bgs.MIP-1 had a strong Flame Ionization Detection (FID) response at 12 feet, but less below 12.5 feet. MIP-2 near the former TTB-5 location had an FID response starting at 5 feet with the strongest response at 10 to 12 feet bgs. The response declined below

COURT PLAZA (Continued) **S110309405**

this horizon. MIP-3, which is 35 feet to the west of the former fill pipe location, had lower FID responses than MIP-2 at 12 and 16 feet below grade. MIP-4 near the former location of TTB-10 had FID responses starting at 6.5 feet bgs. There was no FID response at 12 feet bgs. Soil impacts appear to diminish to the west. A soil sample taken where the fill line had entered the building did not indicate contamination. There were no reports of product in the subway since the line was replaced during April 2010. There were significant VOC exceedences at TTB-1, 2 and 5 to 10 (but not at TTB-4 and 11 to 13). There were also significant VOC exceedences at the locations of MIP-1, MIP-4. This implies that there is still high soil contamination along the west and north sides of the 15 foot by 15 foot main impact area. The highest soil contamination was found between 3 feet and 8 feet bgs. VOC groundwater results were high at TTGW-1 (15 feet bgs). The groundwater sample which was taken at MIP-3 didn't reflect the groundwater conditions near the spill site as it was too far away (about 35 feet distance). TetraTech recommended allowing Monitored Natural Attenuation to remediate the remaining contamination. They would also conduct groundwater monitoring.12/26/12 - Raphael Ketani. A letter was drafted and submitted to Hassan Hussein, EE III and supervisor of Unit C in Region 2, for his review. In the letter, the DEC requested that a method be determined for remediating the soil contamination at TTB-1, 2 and 5 to 10, and at MIP-1 and MIP-4. It was also requested that they find a way to reduce the VOC contamination in the groundwater. Court Square LLC was given until January 18, 2013 to submit a remedial action work plan.The latest ownership information for 5 Court Square (block and lot 81 and 9) is: Court Square LLC, c/o Fisher Associates Real Estate, 152 West 57th Street, 12th Floor, NY, 10019.12/27/12 - Raphael Ketani. Mr. Hussein approved the letter and it was sent out. 1/18/2013 - Raphael Ketani. I received the January 2013 Remedial Action Work Plan and began my review.1/23/13 - Raphael Ketani. I finished my review of the RAWP. TetraTech will use RegenoOx to reduce or remove the soil contamination at TTB-1, 2, 5 and 10 and MIP-1 and MIP-4. Seven temporary injection points will be installed 10 feet apart. About 1440 lbs. of solution will be injected between 3 to 8 feet below grade. ORC Advanced will be used to remediate the groundwater at TT-GW1. They will inject 120 lbs. of solution at 4 temporary points. The solution will be injected between 15 and 20 feet below grade. Two sampling events will be performed on a quarterly basis after the injections are completed. Soil and groundwater samples will be taken from 4 temporary points within the injection area. The soil and groundwater samples will be tested for VOCs and SVOCs. The work schedule will be submitted after they get approvals from the NYC DOT and the MTA. The Remedial Action Report will be submitted after the treatments and sampling are completed. CP-51 standards will be used to compare the soil results. TOGS 1.1.1 standards will be used to compare the groundwater results.I found the RAWP to be deficient for the following reasons:(1) they intend to address the soil contamination at TTB-1, 2, 5 and 10. However, the DEC's letter approving the revised April 2012 Remedial Investigation Report Addendum (Revised December 2012) dated 12/27/12 instructed Court Square LLC to remediate the soil contamination at TTB-1, 2 and 5 TO 10, not 5 and 10.(2) there is no discussion regarding the siltyness of the soil and its impact on the movement of the solution(3) the site is near the subway tunnel, will the MTA only give approval to the injections if the solution is in a weak form? if

COURT PLAZA (Continued) **S110309405**

so, then the solution may not be effective(4) Figure 2 - Treatment Area Map = the actual solution injection locations are not shownAdditionally, Court Square LLC must consider the following before the injections take place:(1) they need to comply with the Federal underground injection control (UIC) regulations. Also, they should review the DEC guidance (IGP-22);(2) information is needed regarding the dosing of the solutions (i.e. mass of chemical per mass of VOCs and SVOCs);(3) how will the conditions in the subsurface be kept oxic?(4) it is recommended that groundwater be extracted from the proposed injecton area to minimize displacement of the dissolved plume. The pre-extracted water could be used to prepare the treatment solutions;(5) how will the treatment solutions be prevented from migrating off site? are there downgradient control wells? A response letter was drafted for the review of Mr. Hussein. The letter stated the above deficiencies and listed the 5 above pre-injection items. The submission of a revised Remedial Action Work Plan was requested with a due date for the work plan of March 1, 2013. Mr. Hussein approved the letter and it was sent out. 3/1/13 - Raphael Ketani. Ms. Gaurin (973) 630-8040 sent an e-mail requesting an extension of the submission deadline for the work plan to March 15, 2013. She said that they needed to get additional contractor quotes. I granted the extension.3/21/13 - Raphael Ketani. I received and reviewed the revised Remedial Action Work Plan dated March 2013. Tetra Tech plans to inject the treatment solutions at the 10 locations indicated in the DEC 1/25/13 letter. These are TTB-1, TTB-2, TTB-5 to TTB-10 and MIP-1 and MIP-4. About 1440 lbs. of RegenOx will be injected at a depth of 3 to 8 feet bgs. A 5% solution will be used. There will be two rounds of injections two weeks apart. About 120 lbs. of ORC Advanced will be injected into the saturated zone at 15 to 20 feet bgs at the locations TTGW-1, TTB-5 to TTB-7 and TTB-9. The treatment solutions will be allowed to work for 9 to 12 months. After this period of time, there will be two rounds of confirmatory soil and groundwater sampling on a quarterly basis. The samples will be tested for VOCs and SVOCs. If the MTA doesn't approve the plan, then excavation will take place in order to remove the contamination. A USEPA form 40 CFR Part 144 will be submitted to the EPA.I approved the revised work plan in an e-mail to Ms. Gaurin and indicated that the DEC would like the work to proceed as soon as possible.5/15/13 - Raphael Ketani. I tried to contact Ms. Gaurin (973) 630-8040 regarding progress at the site, but could only leave a voice message and send an e-mail.Later, Ms. Gaurin sent me an e-mail stating: We submitted draft engineering drawings to the MTA just after receiving your approval and we only heard back from them last week. We need to pick up the marked up copies of our drawings and address their comments. Then we will resubmit the drawings for review/approval which may take MTA several weeks. We will contact you as soon as we receive MTA approval and are ready to schedule the injection.8/23/13 - Raphael Ketani. I hadn't received any correspondences from Ms. Gaurin regarding progress at the site. Therefore, I sent her an e-mail requesting an update.8/24/13 - Raphael Ketani. Ms. Gaurin sent me an e-mail today stating that Tetra Tech received the comments on the drawings from the MTA. Tetra Tech intends to resubmit the drawings with the responses to the comments sometime during September 2013. Until the drawings are finalized, a drilling contractor will not be retained or scheduled. It is expected that no work will take place until October or later.

Remarks: leaking fill line/repairs and clean up pending

COURT PLAZA (Continued) **S110309405**

Material:

Site ID:	431696
Operable Unit ID:	1183167
Operable Unit:	01
Material ID:	2177365
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H74 **EDR US Hist Auto Stat** **1015520616**
WSW **5 COURT SQ** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 8 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	AIRPORT CAR SERVICE
Year:	2003
Address:	5 COURT SQ
Name:	AIRPORT CAR SERVICE
Year:	2011
Address:	5 COURT SQ

L75 **LOT 27,TAXBLOCK 431** **NY E DESIGNATION** **S108469548**
NNE **42-74 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.124 mi.
657 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	27
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	1003
School District:	30
City Council District:	26
Fire Company:	E258

LOT 27,TAXBLOCK 431 (Continued) **S108469548**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R7-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R7-3/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B9
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	FELIPE C PAEZ
Lot Area:	000001115
Total Building Floor Area:	00000001180
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0044.58
Building Frontage:	0025.00
Building Depth:	0024.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	1
Land Assessed Value:	00000001683
Total Assessed Value:	00000009592
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1901
Year Built Code:	E
Year Altered1:	2002
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.06
Maximum Allowable Far:	05.00
Borough Code:	4
Borough Tax Block And Lot:	4004310027
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000661
Y Coordinate:	0212059
Zoning Map:	09B

LOT 27,TAXBLOCK 431 (Continued) **S108469548**

Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

K76
ENE
1/8-1/4
0.125 mi.
662 ft.

Relative:
Higher

Actual:
16 ft.

TOP STAR FABRICARE **NY DRYCLEANERS** **S110248144**
43-43 QUEENS STREET **N/A**
LI CITY, NY 11101

Site 2 of 2 in cluster K

DRYCLEANERS:

Facility ID:	2-6304-00678
Phone Number:	718-784-4332
Region:	Not reported
Registration Effective Date:	10/5/2007
Inspection Date:	07SEP12
Install Date:	98
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

M77
SW
1/8-1/4
0.128 mi.
677 ft.

Relative:
Lower

Actual:
13 ft.

CON EDISON **NY MANIFEST** **S113495763**
45-34 COURT SQ **N/A**
QUEENS, NY 11101

Site 1 of 5 in cluster M

NY MANIFEST:

EPA ID:	NYP004294823
Country:	USA
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported

CON EDISON (Continued) **S113495763**

Generator Ship Date:	20-Mar-2013 00:00:00
Trans1 Recv Date:	20-Mar-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	20-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004294823
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002017269GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

M78 **EAGLE ELECTRIC MANUFACTURING CO** **RCRA-CESQG 1000279162**
SW **45-31 COURT SQ** **NY CBS AST NYD001287986**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.128 mi. **NY CBS**
677 ft. **Site 2 of 5 in cluster M** **US AIRS**

Relative:
Lower

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	COOPER WIRING DEVICES (EAGLE ELECTRIC)
Facility address:	45-01 COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYD001287986
Mailing address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact:	SAED ABUASI
Contact address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 361-4821
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	US
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	US
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	Not reported
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Small Quantity Generator

Date form received by agency: 01/20/2005
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Large Quantity Generator

Date form received by agency: 02/05/2002
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Large Quantity Generator

Date form received by agency: 01/14/2002
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Small Quantity Generator

Date form received by agency: 01/01/2001
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG CO
Classification: Large Quantity Generator

Date form received by agency: 10/17/2000
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Large Quantity Generator

Date form received by agency: 02/18/1998
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 05/24/1996
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG INC
Classification: Large Quantity Generator

Date form received by agency: 02/18/1994
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG. CO. INC.
Classification: Large Quantity Generator

Date form received by agency: 03/25/1992
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MANUFACTURING
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MANUFACTURING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 10/31/1985

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Facility Has Received Notices of Violations:

Regulation violated: SR - 373-3.3b & 373-3.9d1
Area of violation: Generators - General
Date violation determined: 02/12/1999
Date achieved compliance: 10/27/1999
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/31/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 18000
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.3b & 373-3.9d1
Area of violation: Generators - General
Date violation determined: 02/12/1999
Date achieved compliance: 10/27/1999
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 32508
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/01/1996
Date achieved compliance: 10/22/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/12/1994
Date achieved compliance: 07/11/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/12/1994
Date achieved compliance: 07/11/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/18/1987
Date achieved compliance: 04/14/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 10/15/1987
Date achieved compliance: 06/08/1988
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/15/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Final penalty amount: 500
Paid penalty amount: 500

Evaluation Action Summary:

Evaluation date: 05/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/27/1999
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/12/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/27/1999
Evaluation lead agency: EPA

Evaluation date: 09/24/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/22/1996
Evaluation lead agency: State

Evaluation date: 02/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/11/1994
Evaluation lead agency: State

Evaluation date: 02/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/11/1994
Evaluation lead agency: State

Evaluation date: 12/18/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/14/1988
Evaluation lead agency: State

Evaluation date: 10/15/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Manifest
Date achieved compliance: 06/08/1988
Evaluation lead agency: State

CBS AST:

CBS Number: 2-000041
ICS Number: 2-125791
PBS Number: Not reported
MOSF Number: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 937-8000
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	05/12/1999
Total Capacity of All Active Tanks(gal):	0
Operator:	CHARLES FARLEY
Emergency Contact:	ANTHONY TORCIA
Emergency Phone:	(718) 937-8000
Owner Name:	EAGLE ELECTRIC MFG CO. INC.
Owner Address:	45-31 COURT SQUARE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 937-8000
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	EAGLE ELECTRIC MFG CO. INC.
Mail Contact Addr:	45-31 COURT SQUARE
Mail Contact Addr2:	Not reported
Mail Contact Contact:	ANTHONY TORCIA
Mail Contact City,St,Zip:	LONG ISLAND CITY, NY 11101
Mail Phone:	(718) 937-8000

Tank Id:	1
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	11/87
Tank Closed:	07/99
Capacity (Gal):	4300
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass coated steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	05/12/1989
Certified Date:	02/26/1997
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Catch Basin
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Renew Date:	06/14/93
Is It There:	False
Delinquent:	False
Date Expired:	05/12/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	09/06/2001

NY MANIFEST:

EPA ID:	NYD001287986
Country:	USA
Mailing Name:	EAGLE ELECTRIC MANUFACTURING CO
Mailing Contact:	EAGLE ELECTRIC MANUFACTURING CO
Mailing Address:	45-31 COURT SQUARE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-937-8000

Document ID:	NYA6405507
Manifest Status:	Completed copy
Trans1 State ID:	CT1469A
Trans2 State ID:	CT3372A
Generator Ship Date:	871117
Trans1 Recv Date:	871117
Trans2 Recv Date:	871117
TSD Site Recv Date:	871118
Part A Recv Date:	871127
Part B Recv Date:	871201
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	36820
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405516
Manifest Status:	Completed copy
Trans1 State ID:	CTG60164
Trans2 State ID:	Not reported
Generator Ship Date:	871105
Trans1 Recv Date:	871105
Trans2 Recv Date:	871105
TSD Site Recv Date:	871106

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part A Recv Date:	871113
Part B Recv Date:	871120
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	31920
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405561
Manifest Status:	Completed copy
Trans1 State ID:	S2908
Trans2 State ID:	Not reported
Generator Ship Date:	880119
Trans1 Recv Date:	880119
Trans2 Recv Date:	880119
TSD Site Recv Date:	880119
Part A Recv Date:	880122
Part B Recv Date:	880127
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405489
Manifest Status:	Completed copy
Trans1 State ID:	G-60164
Trans2 State ID:	92472CT
Generator Ship Date:	880105
Trans1 Recv Date:	880105
Trans2 Recv Date:	880105
TSD Site Recv Date:	880106
Part A Recv Date:	880121
Part B Recv Date:	880112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405687
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: S2908CT
Generator Ship Date: 880223
Trans1 Recv Date: 880223
Trans2 Recv Date: 880223
TSD Site Recv Date: 880224
Part A Recv Date: 880226
Part B Recv Date: 880307
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00029
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405669
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: 95910-CT
Generator Ship Date: 880405
Trans1 Recv Date: 880405
Trans2 Recv Date: 880405
TSD Site Recv Date: 880406
Part A Recv Date: 880411
Part B Recv Date: 880419
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 41700
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405723
Manifest Status: Completed copy

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 State ID:	CT-3371A
Trans2 State ID:	CTS2496
Generator Ship Date:	890905
Trans1 Recv Date:	890905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890906
Part A Recv Date:	890911
Part B Recv Date:	890920
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37882
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA6405642
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	CT
Generator Ship Date:	900405
Trans1 Recv Date:	900405
Trans2 Recv Date:	900405
TSD Site Recv Date:	900406
Part A Recv Date:	900502
Part B Recv Date:	900508
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	27840
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

Document ID:	NYA3019972
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	S2498-CT
Generator Ship Date:	900612
Trans1 Recv Date:	900612
Trans2 Recv Date:	900612
TSD Site Recv Date:	900628
Part A Recv Date:	900731
Part B Recv Date:	900813
Generator EPA ID:	NYD001287986

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CTD980521280
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 26280
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 90

Document ID: NYA6405876
Manifest Status: Completed copy
Trans1 State ID: CT3371A
Trans2 State ID: V4165CT
Generator Ship Date: 910723
Trans1 Recv Date: 910723
Trans2 Recv Date: 910723
TSD Site Recv Date: 910724
Part A Recv Date: 910731
Part B Recv Date: 910812
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: CTD983872748
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 28528
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 91

Document ID: NYB5110155
Manifest Status: Completed copy
Trans1 State ID: CT92478
Trans2 State ID: Not reported
Generator Ship Date: 941101
Trans1 Recv Date: 941101
Trans2 Recv Date: Not reported
TSD Site Recv Date: 941101
Part A Recv Date: 941109
Part B Recv Date: 941121
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 23800
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Specific Gravity: 100
Year: 94

Document ID: NYB5110182
Manifest Status: Completed copy
Trans1 State ID: V18963LT
Trans2 State ID: Not reported
Generator Ship Date: 940804
Trans1 Recv Date: 940804
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940805
Part A Recv Date: 940815
Part B Recv Date: 940822
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 24493
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NJA2086136
Manifest Status: Completed copy
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 950606
Trans1 Recv Date: 950606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950609
Part A Recv Date: 950703
Part B Recv Date: 950622
Generator EPA ID: NYD001287986
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00726
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYB6582195
Manifest Status: Completed copy
Trans1 State ID: S2908
Trans2 State ID: Not reported
Generator Ship Date: 960502

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 Recv Date:	960502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960503
Part A Recv Date:	960510
Part B Recv Date:	960521
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	33847
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

Document ID:	NYB6786738
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	3009A
Trans2 State ID:	Not reported
Generator Ship Date:	960801
Trans1 Recv Date:	960801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960801
Part A Recv Date:	960819
Part B Recv Date:	960827
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	21653
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYC6585603
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	11/18/2002
Trans1 Recv Date:	11/18/2002
Trans2 Recv Date:	11/21/2002
TSD Site Recv Date:	12/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NCD000648451
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00900
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00010
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC7410238
Manifest Status: Not reported
Trans1 State ID: NY55817JC
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/27/2004
Trans1 Recv Date: 10/27/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD001287986
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00600
Units: P - Pounds
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYA3525366
Manifest Status: Completed copy

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 State ID: S95636
Trans2 State ID: Not reported
Generator Ship Date: 861105
Trans1 Recv Date: 861105
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861105
Part A Recv Date: 861107
Part B Recv Date: 861112
Generator EPA ID: NYD001287986
Trans1 EPA ID: NYD050592807
Trans2 EPA ID: Not reported
TSDF ID: NYD000691949
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00030
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 86

Document ID: NYA6405588
Manifest Status: Completed copy
Trans1 State ID: CT-3371A
Trans2 State ID: Not reported
Generator Ship Date: 880503
Trans1 Recv Date: 880503
Trans2 Recv Date: 880503
TSD Site Recv Date: 880504
Part A Recv Date: 880517
Part B Recv Date: 880512
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00018
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405651
Manifest Status: Completed copy
Trans1 State ID: CT-G60164
Trans2 State ID: S2497GK
Generator Ship Date: 880419
Trans1 Recv Date: 880419
Trans2 Recv Date: 880419
TSD Site Recv Date: 880420
Part A Recv Date: 880422
Part B Recv Date: 880428
Generator EPA ID: NYD001287986

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00026
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Click this hyperlink while viewing on your computer to access
108 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID: CDD001287986
Country: USA
Mailing Name: EAGLE MANUFACTURING CO- EXPORTER
Mailing Contact: EAGLE MANUFACTURING CO- EXPORTER
Mailing Address: 45-31 COURT SQUARE-EXPORTER
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-937-8000

Document ID: NYA6405507
Manifest Status: Completed copy
Trans1 State ID: CT1469A
Trans2 State ID: CT3372A
Generator Ship Date: 871117
Trans1 Recv Date: 871117
Trans2 Recv Date: 871117
TSD Site Recv Date: 871118
Part A Recv Date: 871127
Part B Recv Date: 871201
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: CTD980521280
TSDF ID: CDD001287986
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 36820
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 87

Document ID: NYA6405516
Manifest Status: Completed copy
Trans1 State ID: CTG60164
Trans2 State ID: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Generator Ship Date:	871105
Trans1 Recv Date:	871105
Trans2 Recv Date:	871105
TSD Site Recv Date:	871106
Part A Recv Date:	871113
Part B Recv Date:	871120
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	31920
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405561
Manifest Status:	Completed copy
Trans1 State ID:	S2908
Trans2 State ID:	Not reported
Generator Ship Date:	880119
Trans1 Recv Date:	880119
Trans2 Recv Date:	880119
TSD Site Recv Date:	880119
Part A Recv Date:	880122
Part B Recv Date:	880127
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405489
Manifest Status:	Completed copy
Trans1 State ID:	G-60164
Trans2 State ID:	92472CT
Generator Ship Date:	880105
Trans1 Recv Date:	880105
Trans2 Recv Date:	880105
TSD Site Recv Date:	880106
Part A Recv Date:	880121
Part B Recv Date:	880112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00030
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405687
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: S2908CT
Generator Ship Date: 880223
Trans1 Recv Date: 880223
Trans2 Recv Date: 880223
TSD Site Recv Date: 880224
Part A Recv Date: 880226
Part B Recv Date: 880307
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00029
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405669
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: 95910-CT
Generator Ship Date: 880405
Trans1 Recv Date: 880405
Trans2 Recv Date: 880405
TSD Site Recv Date: 880406
Part A Recv Date: 880411
Part B Recv Date: 880419
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 41700
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Document ID:	NYA6405723
Manifest Status:	Completed copy
Trans1 State ID:	CT-3371A
Trans2 State ID:	CTS2496
Generator Ship Date:	890905
Trans1 Recv Date:	890905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890906
Part A Recv Date:	890911
Part B Recv Date:	890920
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37882
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA6405642
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	CT
Generator Ship Date:	900405
Trans1 Recv Date:	900405
Trans2 Recv Date:	900405
TSD Site Recv Date:	900406
Part A Recv Date:	900502
Part B Recv Date:	900508
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	27840
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

Document ID:	NYA3019972
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	S2498-CT
Generator Ship Date:	900612
Trans1 Recv Date:	900612
Trans2 Recv Date:	900612
TSD Site Recv Date:	900628
Part A Recv Date:	900731

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part B Recv Date: 900813
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CTD980521280
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 26280
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 90

Document ID: NYA6405876
Manifest Status: Completed copy
Trans1 State ID: CT3371A
Trans2 State ID: V4165CT
Generator Ship Date: 910723
Trans1 Recv Date: 910723
Trans2 Recv Date: 910723
TSD Site Recv Date: 910724
Part A Recv Date: 910731
Part B Recv Date: 910812
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: CTD983872748
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 28528
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 91

Document ID: NYB5110155
Manifest Status: Completed copy
Trans1 State ID: CT92478
Trans2 State ID: Not reported
Generator Ship Date: 941101
Trans1 Recv Date: 941101
Trans2 Recv Date: Not reported
TSD Site Recv Date: 941101
Part A Recv Date: 941109
Part B Recv Date: 941121
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 23800
Units: P - Pounds
Number of Containers: 001

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NYB5110182
Manifest Status: Completed copy
Trans1 State ID: V18963LT
Trans2 State ID: Not reported
Generator Ship Date: 940804
Trans1 Recv Date: 940804
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940805
Part A Recv Date: 940815
Part B Recv Date: 940822
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 24493
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NJA2086136
Manifest Status: Completed copy
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 950606
Trans1 Recv Date: 950606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950609
Part A Recv Date: 950703
Part B Recv Date: 950622
Generator EPA ID: NYD001287986
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00726
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYB6582195
Manifest Status: Completed copy
Trans1 State ID: S2908

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans2 State ID:	Not reported
Generator Ship Date:	960502
Trans1 Recv Date:	960502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960503
Part A Recv Date:	960510
Part B Recv Date:	960521
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	33847
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

Document ID:	NYB6786738
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	3009A
Trans2 State ID:	Not reported
Generator Ship Date:	960801
Trans1 Recv Date:	960801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960801
Part A Recv Date:	960819
Part B Recv Date:	960827
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	21653
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYC6585603
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	11/18/2002
Trans1 Recv Date:	11/18/2002
Trans2 Recv Date:	11/21/2002
TSD Site Recv Date:	12/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NCD000648451

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans2 EPA ID: Not reported
TSDF ID: Not reported
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00900
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00010
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC7410238
Manifest Status: Not reported
Trans1 State ID: NY55817JC
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/27/2004
Trans1 Recv Date: 10/27/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD001287986
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00600
Units: P - Pounds
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Document ID:	NYA3525366
Manifest Status:	Completed copy
Trans1 State ID:	S95636
Trans2 State ID:	Not reported
Generator Ship Date:	861105
Trans1 Recv Date:	861105
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861105
Part A Recv Date:	861107
Part B Recv Date:	861112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NYD050592807
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA6405588
Manifest Status:	Completed copy
Trans1 State ID:	CT-3371A
Trans2 State ID:	Not reported
Generator Ship Date:	880503
Trans1 Recv Date:	880503
Trans2 Recv Date:	880503
TSD Site Recv Date:	880504
Part A Recv Date:	880517
Part B Recv Date:	880512
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00018
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405651
Manifest Status:	Completed copy
Trans1 State ID:	CT-G60164
Trans2 State ID:	S2497GK
Generator Ship Date:	880419
Trans1 Recv Date:	880419
Trans2 Recv Date:	880419
TSD Site Recv Date:	880420
Part A Recv Date:	880422

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part B Recv Date:	880428
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

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108 additional NY_MANIFEST: record(s) in the EDR Site Report.

CBS:

CBS Number:	2-000041
Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	589216.38766999
UTMY:	4511035.8664899

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110000323169
Plant name:	EAGLE ELECTRIC MANUFACTURING CO
Plant address:	45-31 COURT SQ LONG ISLAND CITY, NY 11101
County:	QUEENS
Region code:	02
Dunn & Bradst #:	001287986
Air quality cntrl region:	043
Sic code:	3699
Sic code desc:	ELECTRICAL EQUIPMENT AND SUPPLIES, NEC
North Am. industrial classf:	335931
NAIC code description:	Current-Carrying Wiring Device Manufacturing
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1001
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: SULFUR DIOXIDE
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Turnover compliance: Not reported

M79 **45-30 COURT SQUARE** **NY AST** **U003384691**
SW **45-30 COURT SQUARE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.128 mi.
677 ft. **Site 3 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-092673
Program Type:	PBS
UTM X:	589165.14954000001
UTM Y:	4511102.4818799999
Expiration Date:	2017/02/14
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	2404
Affiliation Type:	Facility Owner
Company Name:	MICHAEL GELLING
Contact Type:	MEMBER
Contact Name:	MICHAEL GELLING
Address1:	9520 FALLS BRIDGE LANE
Address2:	Not reported
City:	POTOMAC
State:	MD
Zip Code:	20854
Country Code:	001
Phone:	(917) 716-3469
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/15/2012

Site Id:	2404
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	MICHAEL GELLING
Address1:	9520 FALLS BRIDGE LANE
Address2:	Not reported
City:	POTOMAC
State:	MD
Zip Code:	20854
Country Code:	001
Phone:	(917) 716-3469
EMail:	MRGELLING@GMAIL.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/15/2012

Site Id:	2404
Affiliation Type:	On-Site Operator
Company Name:	45-30 COURT SQUARE
Contact Type:	Not reported

45-30 COURT SQUARE (Continued) **U003384691**

Contact Name:	SABAHETA MRKULIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-3959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	2404
Affiliation Type:	Emergency Contact
Company Name:	MICHAEL GELLING
Contact Type:	Not reported
Contact Name:	THERESIA SCHATZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 533-3450
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	4244
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1916
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported

45-30 COURT SQUARE (Continued) **U003384691**

Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	05/08/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-092673
SWIS Code:	6301
Operator:	ALFRED HERTRICH
Facility Phone:	(718) 729-2766
Facility Addr2:	45030 COURT SQUARE
Facility Type:	APARTMENT BUILDING
Emergency:	COASTAL PETROLEUM TANK CORP
Emergency Tel:	(212) 475-4263
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	FREDERICK SCHATZ
Owner Address:	28-31 43RD STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11103
Federal ID:	Not reported
Owner Tel:	(718) 721-7682
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	FREDERICK SCHATZ
Mailing Address:	28-31 43RD STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11103
Mailing Telephone:	(718) 721-7682
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/05/1997
Expiration:	05/07/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service

45-30 COURT SQUARE (Continued) **U003384691**

Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

M80 **ROGERS ENGRAVING CO INC** **RCRA NonGen / NLR** **1000217522**
SW **45-61 COURT SQ** **FINDS** **NYD002405645**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.128 mi.
677 ft. **Site 4 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ROGERS ENGRAVING CO INC
Facility address:	45-61 COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYD002405645
Mailing address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact:	JOSEPH DUFFY
Contact address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-6225
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

ROGERS ENGRAVING CO INC (Continued) **1000217522**

Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ROGERS ENGRAVING CO INC
Classification: Not a generator, verified

Date form received by agency: 11/26/1980
Facility name: ROGERS ENGRAVING CO INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004341178

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M81 **EAGLE ELECTRIC MFG CO INC** **NY AST** **U003393333**
SW **45-31 COURT SQ** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11104**
0.128 mi.
677 ft. **Site 5 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017418
Program Type:	PBS
UTM X:	589175.28622999997
UTM Y:	4511109.1542400001
Expiration Date:	2017/02/09
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	132
Affiliation Type:	Emergency Contact
Company Name:	ARRIC LOFTS CONDOMINIUM
Contact Type:	Not reported
Contact Name:	DUMITRU CULETU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 706-1721
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	On-Site Operator
Company Name:	45-31 COURT SQ
Contact Type:	Not reported
Contact Name:	DUMITRU CULETU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-7185
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	Mail Contact
Company Name:	DOUG ELLIMAN PROPERTY MGMT
Contact Type:	Not reported
Contact Name:	PATRICIA PETTWAY-BROWN
Address1:	675THIRD AVE--5TH FLOOR
Address2:	Not reported
City:	NY

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 350-2846
EMail:	PATRACIA-PETTWAY-BROWN@ELLIMAMNPR.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	Facility Owner
Company Name:	ARRIC LOFTS CONDOMINIUM
Contact Type:	MGR
Contact Name:	PATRICIA PETTWAY-BROWN
Address1:	45-31 COURT SQ
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 706-7185
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Tank Info:

Tank Number:	001
Tank Id:	27006
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1955
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Modified By:	msbaptis
Last Modified:	01/17/2007
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	27007
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	01/01/1955
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/07/2012
Register:	True
Modified By:	MSBAPTIS
Last Modified:	01/11/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-017418
SWIS Code:	6301
Operator:	EAGLE ELECTRIC MFG CO INC
Facility Phone:	(718) 937-8000
Facility Addr2:	45031 COURT SQ
Facility Type:	Not reported
Emergency:	ALFRED PIZZUTO
Emergency Tel:	(914) 962-6467
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ENGLE ELECTRIC MFG CO INC
Owner Address:	45-31 COURT SQ
Owner City,St,Zip:	LIC, NY 11104
Federal ID:	Not reported
Owner Tel:	(718) 937-8000
Owner Type:	Corporate/Commercial

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Owner Subtype:	Not reported
Mailing Contact:	AL PIZZUTO
Mailing Name:	EAGLE ELECTRIC MFG CO INC
Mailing Address:	45-31 COURT SQ
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LIC, NY 11104
Mailing Telephone:	(718) 937-8000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/30/1999
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	40000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

L82 **42-64 HUNTER STREET** **NY LTANKS** **S102619659**
NNE **42-64 HUNTER STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.131 mi.
693 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	119063
Spill Number/Closed Date:	9310213 / 11/22/1993
Spill Date:	11/22/1993
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	11/22/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	11/22/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/23/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported

42-64 HUNTER STREET (Continued) **S102619659**

Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	103436
DEC Memo:	Not reported
Remarks:	CUST. REPORTED LEAK - SVC. MN. APPLIED MAGNA-OATCH - APPLIED SPEEDI DRY & P/U & DISPOSED WILL REPAIR TANK ROMORROW - ISLAND TANK CO. TO REPAIR.

Material:

Site ID:	119063
Operable Unit ID:	989155
Operable Unit:	01
Material ID:	392841
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L83 **EDR US Hist Auto Stat** **1015489097**
North **4243 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.132 mi.
699 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	AUTO EXPRESS
Year:	2011
Address:	4243 27TH ST

J84 **NYCT - COURT SQUARE STA G LINE** **RCRA NonGen / NLR** **1001203144**
West **JACKSON ST & COURT SQ** **FINDS** **NYR000045062**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.134 mi.
707 ft. **Site 2 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYCT - COURT SQUARE STA G LINE
Facility address:	JACKSON ST & COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYR000045062
Mailing address:	JAY ST ROOM 819 BROOKLYN, NY 11201

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Contact:	JAMES CRANDALL
Contact address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact country:	US
Contact telephone:	(718) 243-4581
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/0001
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Not a generator, verified

Date form received by agency: 06/11/2001
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Small Quantity Generator

Date form received by agency: 09/22/1997
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110007908078

Environmental Interest/Information System
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NY MANIFEST:
EPA ID: NYR000045062
Country: USA
Mailing Name: NYCTA
Mailing Contact: TOM ABDALLAH
Mailing Address: COURT SQUARE 28 20 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10004
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 646-252-3500

Document ID: NJA4049894
Manifest Status: Not reported
Trans1 State ID: NYD046765574
Trans2 State ID: Not reported

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Generator Ship Date:	07/31/2002
Trans1 Recv Date:	07/31/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/31/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA3174065
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	07/31/2000
Trans1 Recv Date:	07/31/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/08/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00600
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3292434
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	05/18/2001
Trans1 Recv Date:	05/18/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

TSDF ID: S8424
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3204930
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: NJD003812047
Generator Ship Date: 06/21/2001
Trans1 Recv Date: 06/21/2001
Trans2 Recv Date: 06/27/2001
TSD Site Recv Date: 06/27/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: H10376
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00122
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00097
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3266160
Manifest Status: Not reported
Trans1 State ID: NJD980772768
Trans2 State ID: Not reported
Generator Ship Date: 08/03/2001
Trans1 Recv Date: 08/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/03/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NJD991291105
Trans2 EPA ID: Not reported
TSDF ID: 06993
Waste Code: D008 - LEAD 5.0 MG/L TCLP

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Quantity: 01000
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NYB9515961
Manifest Status: Not reported
Trans1 State ID: NY0000291823
Trans2 State ID: Not reported
Generator Ship Date: 09/28/2001
Trans1 Recv Date: 09/28/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/14/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 1A375
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00500
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NYG3192318
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 01/04/2002
Trans1 Recv Date: 01/04/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/08/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1010NY
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00580
Units: K - Kilograms (2.2 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Document ID:	PAE8688374
Manifest Status:	Not reported
Trans1 State ID:	NJR000005124
Trans2 State ID:	Not reported
Generator Ship Date:	03/10/1998
Trans1 Recv Date:	03/10/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/08/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	PAD085690592
Trans2 EPA ID:	Not reported
TSDF ID:	PAAH0492
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	98

J85 **MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION** **RCRA-SQG** **1000789619**
West **JACKSON AVE & 45TH AVE** **NYD987010808**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 3 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA-SQG:

Date form received by agency:	08/13/2012
Facility name:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Facility address:	JACKSON AVE & 45TH AVE QUEENS, NY 11101
EPA ID:	NYD987010808
Mailing address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	(646) 252-3535

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **1000789619**

Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Owner/operator name: MTA NYCT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 08/03/1992
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **1000789619**

Violation Status: No violations found

J86 **MTA NYCT - VENT PLANT 6406-7** **RCRA-SQG** **1012211711**
West **JACKSON AVE & 45TH AVE** **NYR000171181**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.134 mi.
707 ft. **Site 4 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA-SQG:

Date form received by agency:	12/29/2009
Facility name:	MTA NYCT - VENT PLANT 6406-7
Facility address:	JACKSON AVE & 45TH AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000171181
Mailing address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1968
Owner/Op end date:	Not reported

Owner/operator name:	MTA NYCT
Owner/operator address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/1968
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

MTA NYCT - VENT PLANT 6406-7 (Continued) **1012211711**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

J87 **MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION** **NY MANIFEST** **S113813823**
West **JACKSON AVE & 45TH AVE** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

NY MANIFEST:

EPA ID:	NYD987010808
Country:	USA
Mailing Name:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Mailing Contact:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Mailing Address:	JACKSON AVE & 45TH AVE
Mailing Address 2:	Not reported
Mailing City:	QUEENS
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	28-Jun-2013 00:00:00
Trans1 Recv Date:	28-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	28-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987010808
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **S113813823**

Year:	2013
Manifest Tracking Num:	010407299JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

J88 **CON EDISON** **NY MANIFEST** **S113495500**
West **JACKSON AVE & COURT SQUARE** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 6 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

NY MANIFEST:

EPA ID:	NYP004292074
Country:	USA
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	07-Mar-2013 00:00:00
Trans1 Recv Date:	07-Mar-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004292074
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002016593GBF

CON EDISON (Continued) **S113495500**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

I89 **KENT BRAGALINE INC** **RCRA NonGen / NLR** **1001493668**
NE **27-45 JACKSON AVE** **FINDS** **NYR000075630**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.135 mi.
714 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	KENT BRAGALINE INC
Facility address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000075630
Mailing address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact:	ALBERT TROY
Contact address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-2012
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KENT BRAGALINE INC
Owner/operator address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 784-2012
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	KENT BRAGALINE INC
Owner/operator address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 784-2012
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

KENT BRAGALINE INC (Continued) **1001493668**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KENT BRAGALINE INC
Classification: Not a generator, verified

Date form received by agency: 08/19/1999
Facility name: KENT BRAGALINE INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004555810

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000075630
Country: USA
Mailing Name: KENT BRAGALINE
Mailing Contact: KENT BRAGALINE
Mailing Address: 27-45 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-274-3339

KENT BRAGALINE INC (Continued) **1001493668**

Document ID:	NYG1002078
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	09/13/1999
Trans1 Recv Date:	09/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000075630
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

N90 **2415 44TH ROAD LLC** **NY AST** **U003395749**
NNW **43-32 CRESCENT STREET** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.140 mi.
741 ft. **Site 1 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600777
Program Type:	PBS
UTM X:	589288.01636000001
UTM Y:	4511381.96435
Expiration Date:	2003/04/15
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22754
Affiliation Type:	Facility Owner
Company Name:	2415 44 ROAD LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O ROCKROSE 309 EAST 45TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 984-1741
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

2415 44TH ROAD LLC (Continued) **U003395749**

Site Id:	22754
Affiliation Type:	Mail Contact
Company Name:	2415 ROAD LLC
Contact Type:	Not reported
Contact Name:	SUPER FACILITY MANAGER
Address1:	C/O ROCKROSE
Address2:	309 EAST 45TH STREET
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 984-1741
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22754
Affiliation Type:	On-Site Operator
Company Name:	2415 44TH ROAD LLC
Contact Type:	Not reported
Contact Name:	CHARLES SINGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-1738
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22754
Affiliation Type:	Emergency Contact
Company Name:	2415 44 ROAD LLC
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 475-4263
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	43713
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

2415 44TH ROAD LLC (Continued) **U003395749**

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-600777
SWIS Code:	6301
Operator:	CHARLES SINGER
Facility Phone:	(718) 937-1738
Facility Addr2:	43032 CRESCENT STREET
Facility Type:	APARTMENT BUILDING
Emergency:	COASTAL COMBUSTION CORP
Emergency Tel:	(212) 475-4263
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	2415 44 ROAD LLC
Owner Address:	C/O ROCKROSE 309 EAST 45TH STREET
Owner City,St,Zip:	NEW YORK, NY 10017
Federal ID:	Not reported
Owner Tel:	(212) 984-1741
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	SUPER FACILITY MANAGER
Mailing Name:	2415 ROAD LLC
Mailing Address:	C/O ROCKROSE
Mailing Address 2:	309 EAST 45TH STREET
Mailing City,St,Zip:	NEW YORK, NY 10017
Mailing Telephone:	(212) 984-1741
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

2415 44TH ROAD LLC (Continued) **U003395749**

Certification Flag:	False
Certification Date:	04/21/1998
Expiration:	04/15/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N91 **ROCKROSE CONSTRUCTION CORP** **NY MANIFEST S108981768**
NNW **4329 CRESCENT STREET** **NY Spills N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.141 mi.
743 ft. **Site 2 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYR000153924
Country:	USA
Mailing Name:	ROCKROSE CONSTRUCTION CORP
Mailing Contact:	ROCKROSE CONSTRUCTION CORP
Mailing Address:	290 PARK AVE SOUTH
Mailing Address 2:	14TH FL
Mailing City:	NEW YORK

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

Mailing State:	NY
Mailing Zip:	10010
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-984-1705

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0710509
DER Facility ID:	341415
Facility Type:	ER
Site ID:	391813
DEC Region:	2
Spill Date:	1/4/2008
Spill Number/Closed Date:	0710509 / 11/16/2009
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	rvketani
Referred To:	Not reported
Reported to Dept:	1/4/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/4/2008
Spill Record Last Update:	11/16/2009
Spiller Name:	ANDREW RUDKO
Spiller Company:	CONSTRUCTION SITE
Spiller Address:	4329 CRESCENT STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	ANDREW RUDKO
Contact Phone:	(646) 388-9526
DEC Memo:	I spoke with Andrew. The tank has been reoved and cont. soil has been stockpiled. This soil needs to be removed due to space limitations. He feels that they are not able to find clean endpoints. A gepprobe will be out on Fri 1/ 11/ 07- 1/9/08 - Raphael Ketani. An abandoned gasoline tank was discovered and contaminated soil beneath it on 1/4/08. The contact is Andrew Rudko of AKRF, Inc. (646) 388-9526.I spoke to Mr. Rudko about the site. The site is a small triangular area. He said that it used to be a car repair replace with one 550 gal. tank and one pump. He said the tank was abandoned in place with concrete. The great majority of the soil has been excavated, but the contractor is waiting to get a hauler for the gasoline contaminated soil. The site will be a temporary parking lot for the building and parking lot across the street. Groundwater is at about 14 feet - he

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

has drilled nearby at another site and hit water there at that depth. I told Mr. Rudko that additional borings will be needed to see whether the contamination had migrated under the streets. He said he will do borings to the edge of the property, and if contamination is found, then he will get the permits and do borings further out.2/7/08 - Raphael Ketani. I tried to contact Mr. Rudko, but could only leave a message.Mr. Rudko returned my call. He said that they had removed the gas tank and found lots of contamination. Initially, they excavated 9 truck loads of soil and shipped it out. Then, on 2/5/08, they excavated more soil until the site was jammed up with excavated soil. This was also shipped out. Mr. Rudko feels that the contamination extends all the way to the Hunter Street sidewalk and maybe under it. I told him that he needs to delineate the extent of the contamination. Mr. Rudko said that they will use ORC to remediate any soil that can not be removed. I told him that DEC wants all of the contaminated soil either removed or treated. 2/19/08 - Raphael Ketani. I had tried to make an unannounced site visit last thursday, but was unsuccessful. I could not find the site. I called up Mr. Rudko and he told me the site is at the intersection of Crescent Street, Hunter Street, and 44th Road. I will make another attempt at a site visit.I found the site. It consisted of a big water filled pit and a pile of slightly odoress artificial fill material. I met Mark Accetturi, Environmental Specialist of AKRF (646) 388-9521, at the site. There was no sheen on the water. Mr. Accetturi told me that the pit had been dry until the recent rains. The water level was about 10 feet below grade. I told him that AKRF should get someone to suck out the water. He said that this will be done in the near future. There was a large pile of artificial fill (soil mixed with other material) with slight odor of gasoline. Mr. Accetturi told me that they had taken out the one tank from about the middle of the hole and two lifts from the Citicorp (southwest) side of the hole. A black pipe with a metal clamp was sticking out of the sidewall at the southwest side. It was not apparent where the pipe went to. The area around the hole had concrete pavement. I was told by the excavator operator that 12 trucks were scheduled to come today to take away the soil pile. I took 5 pictures. I noticed a 4 story building across the street with commercial space at the street level and residences above. A commercial building abutted the site property. There was nothing much else to see. So I left.3/12/08 - Raphael Ketani. Today I received a progress report and remedial action plan dated 3/11/08 from Mr. Rudko, Senior Vice President of AKRF. The report and plan stated that a 550 gal. gasoline tank was discovered on site which was resting on soil. The soil beneath the tank was contaminated, though the tank appeared to be intact. Contaminated soil was removed from the site. Four borings were advanced to the groundwater to delineate the extent of soil contamination. Two sites of contamination were discovered. One to the east and extending from the tank and another separate one to the southwest (maybe related to a broken sewer pipe). Contaminated groundwater was pumped out and the excavation was backfilled after 2/20/08. AKRF will install 4 wells in order to monitor the groundwater conditions. Water and soil treatment will be proposed if the contamination persists.The analytical results were as follows:groundwater; SB-1=no VOCs, few low SVOC hits SB-2=VOC hits to 1394 ppb total xylenes, no SVOCs SB-3=no VOCs and no SVOCs SB-4=VOC hits to 2370 ppb total xylenes, no SVOCs SB-5=no VOCs and no SVOCssoil; EP-1=few low VOCs, combustion SVOCs in thousands of ppb EP-2=no VOCs, combustion SVOCs in high thousands of ppb to 713,300

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

ppb EP-4=1 significant VOC, naphthalene 6000 ppb, high SVOCs in high thousands to 62000 ppb EP-1S=no VOCs, no SVOCs WC-4=VOCs in tens of thousands ppb to 150,000 ppb with total xylenes at 640,000 ppb, SVOC hits but none significant EP-1B=many very low VOCs, no SVOCs EP-1N=many very low VOCs, no SVOCs EP-1W=many very low VOCs, no SVOCs EP-1E=11 VOCs to 83,100 ppb, 3600 ppb naphthalene, combustion SVOCs, but not significant I spoke to Mr. Rudko. He said that they are not sure how far the contaminated soil extends. So they are not done excavating. If it extends off site, then they will consider using ORC or another treatment solution to remediate the contamination. He said that he also needs to determine the direction of groundwater flow. He said that bedrock dips to the south and so he thinks that's the direction of groundwater flow, but he'll see. 4/1/08 - Raphael Ketani. I spoke to Mr. Rudko (646) 388-9526. He said that nothing is happening right now at the site. He is trying to line up a driller to install borings on all 3 sides of the site. He will take soil and groundwater samples. He will keep me posted.8/19/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.9/3/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.As there has been no contact with Mr. Rudko in 5 months and he is not reachable, I sent a letter to Ivan Moskowitz, Esq. at Swidler Berlin LLP, 405 Lexington Avenue, NY, 10174. He is the lawyer representing the owners of the site, 4329 Crescent LLC, 399 Park Avenue, NY, 10022-4614. The block and lot are 4343 and 0001. The main address is 4319 Crescent Street.9/11/08 - Raphael Ketani. The letter to 4329 Crescent LLC, c/o Swidler Berlin LLP came back NOT DELIVERABLE AS ADDRESSED. 9/15/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.Also, I sent the 9/3/08 letter to 4329 Crescent LLC at 399 Park Avenue, and to Swidler Berlin LLP the corrected zip code of 10017. 9/22/08 - Raphael Ketani. The letter to Swidler Berlin LLP came back with a Post Office indicating Not Deliverable As Addressed. I called up a phone number for Swidler Berlin (212) 891-9536 and was told that Swidler Berlin no longer exists. One of their offices merged with Bingam McCutchen (the same phone number as above). She said that Mr. Moskowitz works for Bingam McCutchen and that his direct number is (212) 705-7537.I called Mr. Moskowitz, but could only leave a message regarding the site. Mr. Moskowitz called me back. He said that he still represent 4329 Crescent LLC. He will contact them to see why there is no progress with the investigation.9/25/08 - Raphael Ketani. Patricia Dunphy of Rockrose Development Corp. (212) 984-1795 called earlier this week regarding the site. I tried to return her call, but could only leave a voice mail. Later this morning, I received a call from Steven Eisner (212) 984-1705 of Rockrose. He said that the reason the sidewalk wells weren't installed is because they are doing foundation dewatering across the street to the west at 3000 Crescent Street. The building that was there was knocked down 3 weeks ago. He said that once the foundation is put in, then they will install the wells. I asked him whether they had found any contaminated water. He said no. He said he will let me know when the foundation dewatering is done in 6 to 8 weeks. 10/27/08 - Raphael Ketani. I tried to contact Mr. Eisner regarding the dewatering of the neighboring site, but could only leave a message.Mr. Eisner called me back. He said that the

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

foundation wont be installed until February 2009. Then they will install 4 wells.2/13/09 - Raphael Ketani. I spoke to Mr. Eisner. He said that the foundation construction and dewatering is still taking place. He said that the wells will probably be installed at the end of February and a report will be submitted to DEC by March 13. I said that would be alright. Mr. Eisner added that Mr. Rudko is no longer with AKRF and the case is now being handled by Kate Bruner of AKRF (646) 388-9525. 2/17/09 - Raphael Ketani. Kate Brunner called me to say that she will give me an update regarding the project at the end of February.2/26/09 - Raphael Ketani. Ms. Brunner called. She said that the dewatering for the foundation should end in a week. The well installation will take place in mid-March with a 4" geoprobe.3/16/09 - Raphael Ketani. Mr. Eisner (212) 984-1705 called to say that they are still working on the foundation for the building across the street. They expect to finish in May. Once they're finished, then they will install the wells. 4/23/09 - Raphael Ketani. I talked to Ms. Brunner (212) 696-0670. She said that the construction contractor had finished dewatering the site a couple of weeks ago. She added that applications had been submitted to the City for sidewalk permits. There is a tentative date of 5/4/09 for starting the boring work.7/13/09 - Raphael Ketani. I spoke to Ms. Brunner. She said that she had received the soil and groundwater analytical report. However, she was out. So the review couldn't take place until she had a chance to look at it. She said that the results looked very good. Right now, the report is undergoing internal review. Once AKRF is done with it, then the report will be forwarded to DEC. I told her to send the report as soon as possible.9/11/09 - Raphael Ketani. I left a message for Ms. Brunner that the DEC never received the groundwater analytical report.9/14/09 - Raphael Ketani. Ms. Brunner (212) 696-0670 called me today. She said that the groundwater survey didn't take place until July 2009 due to access problems. The developer they were working with as a client has split into two entities. One entity is responsible for pursuing the environmental evaluation and reporting. This is the client and this entity is still reviewing the environmental report. However, Ms. Brunner said that she expects to send the DEC the environmental report in two weeks. She added that the analyticals were all non-detect.9/25/09 - Raphael Ketani. Today I received the Supplemental Subsurface Investigation dated 9/24/09 and submitted by AKRF. I began my review. 9/29/09 - Raphael Ketani. I finished my review. They recovered soil samples from only 2 of the 4 borings that were attempted on 5/11/09. They state that, for technical reasons, they could not recover soil samples from MW-1 and MW-3, but they don't explain what this means. Soil samples were submitted for MW-2 and MW-4. MW-2 is at the eastern corner of the site and MW-4 is at the southwest corner of the site. Groundwater flow is to the east. The soil samples were completely non-detect for VOCs. There were a number of SVOC hits, but they were all below TAGM, except for some benzo series hits which were just slightly above TAGM. Groundwater samples for the four wells were entirely non-detect for VOCs. Samples from wells MW-1 to MW-3 were completely non-detect for SVOCs. The groundwater sample from MW-4 had a number of SVOC hits, but they were below TAGM, except for five combustion product hits (mostly the benzo series) which were slightly above TAGM.From re-reviewing the 3/11/08 investigation report, it appears that there are a lot of ashes and cinders at the site. This was determined by the presence of high concentrations of the combustion product SVOC analytes in soil samples from various locations. From the end point

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

sample results for EP-1N, EP-1S, EP-1W, and EP-1B, it appears that the contaminated soil was removed. However, the results for EP-1E showed several SVOC hits to 4300ppb, including naphthalene and 2-methylnaphthalene, and four other low level SVOCs, but all of the other SVOCs were non-detect. The VOCs were all non-detect, also. It seems as if they did a reasonable job of digging out the contamination.Though questions remain regarding the 03/11/08 report and the 9/24/09 report:1) the 3/11/08 report lists boring locations SB-1, SB-2, and SB-4, but the data package shows EP-1, EP-2 , and EP-4. Are these the same borings? Also, what happened with the soil sample for SB-3?2) why were no borings conducted between W SB-1 and MW-2?3) what does the number "434" mean on Figure 2 from the 3/11/08 report?4) there is no explanation as to why they couldn't recover soil samples from MW-1 and MW-3, except to say that "for technical reasons" they couldn't do it. What are the technical reasons?5) a number of VOCs are listed as above TAGM on Figure 3 in the 9/24/09 report for the soil sample from EP-1E. However, these analytes are not in the analytical data report for the end point samples. Where did this information come from and how much above TAGM are the hits?Aside from answering these questions, the DEC requires that they perform one more soil borings. One halfway between W SB-1 and MW-2. 10/9/09 - Raphael Ketani. Ms. Brunner called me back. She answered the five questions:1) SB-1, SB-2, and SB-4 are EP-1, EP-2, and EP-4. There was some confusion regarding the numbering of the samples due to the previous use of a different numbering system. 2) we agreed to have one more soil boring performed halfway between W SB-1 and MW-2 just to see what the contamination is, if any3) number "434" is the block number from the block and lot tax maps4) soil samples couldn't be recovered because they kept hitting refusal. The geoprobe wasn't strong enough to apply enough torque to get a sample and the sampling tool was thin so that a stronger machine would have broken the tool. They stepped out from these locations and sampled elsewhere with a heavier rig.5) the analytes for EP-1E come from the 2008 report. Ms. Brunner just wanted to show what had been detected PRIOR to excavation of the site. 10/15/09 - Raphael Ketani. I received an e-mail today from Ms. Brunner regarding the location of the additional boring that DEC had requested (see E-docs). I sent a response e-mail in which I approved the location.11/5/09 - Raphael Ketani. I tried to contact Ms. Brunner (212) 696-0670, but could only leave a voice mail.11/6/09 - Raphael Ketani. I received the following e-mail from Ms. Brunner:The soil boring was completed at 43-29 Crescent Street as planned. We got the preliminary VOC and SVOC data back and all concentrations are less than TAGM RSCOs so we'll be requesting closure. We are preparing a revised report for submittal to DEC and we are still on-track to get you the report in mid-November.11/16/09 - Raphael Ketani. Today I received the 11/12/09 Supplemental Subsurface Investigation report from Ms. Brunner at AKRF. I review the report for the soil analyses for SB-5. The results were completely non-detect for VOCs and SVOCs. Based upon the soil and groundwater analytical results in the case file, I have determined that there are minimal impacts to the environment and to people. Therefore, I am closing the spill case.

Remarks: FOUND BURIED GASOLINE TANK IN GROUND AND FOUND CONTAMINATED SOIL

Material:

Site ID: 391813
Operable Unit ID: 1148847
Operable Unit: 01

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

Material ID: 2139342
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

N92 **EDR US Hist Auto Stat** **1015493785**
NNW **4329 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.141 mi.
743 ft. **Site 3 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name: QUALITY AUTO REPAIR
Year: 1999
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2000
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2001
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2004
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2005
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2006
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2007
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2012
Address: 4329 CRESCENT ST

N93 **ROCKROSE CONSTRUCTION CORP** **RCRA-LQG** **1010566745**
NNW **43-29 CRESCENT ST** **NYR000153924**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.142 mi.
750 ft. **Site 4 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA-LQG:

Date form received by agency:	01/24/2008
Facility name:	ROCKROSE CONSTRUCTION CORP
Facility address:	43-29 CRESCENT ST LONG ISLAND CITY, NY 11101
EPA ID:	NYR000153924
Mailing address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Contact:	STEPHEN A EISNER
Contact address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Contact country:	US
Contact telephone:	(212) 984-1705
Contact email:	STEVEE@ROCKROSE.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ROCKROSE CONSTRUCTION CORP
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/31/2007
Owner/Op end date:	Not reported
Owner/operator name:	43-29 CRESCENT LLC
Owner/operator address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	11/11/2006
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

ROCKROSE CONSTRUCTION CORP (Continued) **1010566745**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/23/2008
Facility name: ROCKROSE CONSTRUCTION CORP
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

N94 **KATT CORPORATION** **NY AST** **A100294658**
NNW **43-29 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.142 mi.
750 ft. **Site 5 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-609251
Program Type: PBS
UTM X: 589287.45632
UTM Y: 4511386.3985700002
Expiration Date: 2008/09/18
Site Type: Other

Affiliation Records:
Site Id: 31096
Affiliation Type: Facility Owner
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 43-29 CRESCENT ST.
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported

KATT CORPORATION (Continued) **A100294658**

Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: Mail Contact
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: 43-29 CRESCENT STREET
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: On-Site Operator
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: Emergency Contact
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001

KATT CORPORATION (Continued) **A100294658**

Tank Id: 66943
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
D00 - Pipe Type - No Piping
J00 - Dispenser - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Location: 1
Tank Type: Stainless Steel Alloy
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 55
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

Tank Number: 002
Tank Id: 66944
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
I00 - Overfill - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
B00 - Tank External Protection - None

Tank Location: 1
Tank Type: Stainless Steel Alloy
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 55
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True

KATT CORPORATION (Continued) **A100294658**

Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

O95 **TWO COURT SQUARE** **NY AST** **A100350441**
WNW **23-21 44 DRIVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.143 mi.
754 ft. **Site 1 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-611356
Program Type: PBS
UTM X: 589147.96811000002
UTM Y: 4511261.5783299999
Expiration Date: 2015/04/01
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 435241
Affiliation Type: Facility Owner
Company Name: PERRENNELLY GREEN INC
Contact Type: VICE PRESIDENT
Contact Name: THOMAS A. BARRETT
Address1: 23-21 44 DRIVE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (347) 648-0195
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/8/2010

Site Id: 435241
Affiliation Type: Mail Contact
Company Name: CUSHMAN & WAKEFIELD, INC.
Contact Type: Not reported
Contact Name: KEVIN GAVIN
Address1: 23-21 44 DRIVE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (347) 648-0110
EMail: KEVIN.GAVIN@CITI.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/8/2010

Site Id: 435241
Affiliation Type: On-Site Operator

TWO COURT SQUARE (Continued) **A100350441**

Company Name:	TWO COURT SQ
Contact Type:	Not reported
Contact Name:	DOMENICO VEZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 648-0100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/25/2010

Site Id:	435241
Affiliation Type:	Emergency Contact
Company Name:	PERRENNELLY GREEN INC
Contact Type:	Not reported
Contact Name:	KEVIN GAVIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 648-0100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/25/2010

Tank Info:

Tank Number:	001
Tank Id:	234565
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
A01 - Tank Internal Protection - Epoxy Liner
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E12 - Piping Secondary Containment - Double-Wall (Aboveground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

TWO COURT SQUARE (Continued) **A100350441**

Pipe Model:	Not reported
Install Date:	01/01/2006
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/25/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	234566
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/2006
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/25/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

N96 **EDR US Hist Cleaners** **1015060699**
NNW **4320 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.146 mi.
769 ft. **Site 6 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Cleaners:

Name:	HUANG & PAUL LAUNDROMANT INC
Year:	2003
Address:	4320 CRESCENT ST

(Continued) **1015060699**

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2005
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2007
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2008
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2009
Address: 4320 CRESCENT ST

N97 **EDR US Hist Auto Stat** **1015493080**
NNW **4315 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.147 mi.
775 ft. **Site 7 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:
Name: EURO SPORT COLLISION REPAIR INC
Year: 2002
Address: 4315 CRESCENT ST

Name: EURO SPORT COLLISION REPAIR
Year: 2003
Address: 4315 CRESCENT ST

Name: EURO SPORT COLLISION REPAIR
Year: 2004
Address: 4315 CRESCENT ST

N98 **AEROSOURCE INC** **RCRA NonGen / NLR** **1000553955**
NNW **25-19 43RD AVE** **FINDS** **NYD986963932**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.151 mi.
797 ft. **Site 8 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: AEROSOURCE INC
Facility address: 25-19 43RD AVE
LONG ISLAND CITY, NY 111014208
EPA ID: NYD986963932
Mailing address: 43RD AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 43RD AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02

AEROSOURCE INC (Continued) **1000553955**

Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AEROSOURCE INC
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AEROSOURCE INC
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: AEROSOURCE INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: AEROSOURCE INC
Classification: Not a generator, verified

Date form received by agency: 07/22/1991
Facility name: AEROSOURCE INC
Classification: Small Quantity Generator

Violation Status: No violations found

AEROSOURCE INC (Continued) **1000553955**

Evaluation Action Summary:
Evaluation date: 05/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004473258

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD986963932
Country: USA
Mailing Name: AEROSOURCE INCORPORATION
Mailing Contact: MITCH SHULMAN
Mailing Address: 11 CAMPUS DR
Mailing Address 2: Not reported
Mailing City: SOMERSET
Mailing State: NJ
Mailing Zip: 08873
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-392-5800

Document ID: NJA1206298
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 910913
Trans1 Recv Date: 910913
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910917
Part A Recv Date: 911007
Part B Recv Date: 911004
Generator EPA ID: NYD986963932
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00212
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

AEROSOURCE INC (Continued) **1000553955**

Document ID:	NJA1214952
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910830
Trans1 Recv Date:	910830
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910906
Part A Recv Date:	910912
Part B Recv Date:	910926
Generator EPA ID:	NYD986963932
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00389
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1199083
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910802
Trans1 Recv Date:	910802
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910807
Part A Recv Date:	910815
Part B Recv Date:	910826
Generator EPA ID:	NYD986963932
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02334
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

N99 **4308 CRESCENT STREET** **NY AST** **A100366141**
NNW **4308 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.151 mi.
797 ft. **Site 9 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611954

4308 CRESCENT STREET (Continued) **A100366141**

Program Type: PBS
UTM X: 589050.33444999997
UTM Y: 4510380.42093
Expiration Date: 2017/10/23
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 477961
Affiliation Type: Facility Owner
Company Name: 4300 CRESCENT LLC
Contact Type: VICE PRESIDENT
Contact Name: CHRISTOPHER S. LA PUNZINA
Address1: 666 FIFTH AVENUE, 5TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10103
Country Code: 001
Phone: (212) 847-3700
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

Site Id: 477961
Affiliation Type: Mail Contact
Company Name: ROCKROSE DEVELOPMENT CORPORATION
Contact Type: Not reported
Contact Name: JOSEPH FLANAGAN
Address1: 666 FIFTH AVENUE
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10103
Country Code: 001
Phone: (212) 847-3780
EMail: JOSEPH.FLANAGAN@ROCKROSE.COM
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

Site Id: 477961
Affiliation Type: On-Site Operator
Company Name: 4308 CRESCENT STREET
Contact Type: Not reported
Contact Name: KEVIN FORDE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 628-1373
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

4308 CRESCENT STREET (Continued) **A100366141**

Site Id:	477961
Affiliation Type:	Emergency Contact
Company Name:	4300 CRESCENT LLC
Contact Type:	Not reported
Contact Name:	JOSEPH FLANAGAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 210-1717
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	1/17/2013

Tank Info:

Tank Number:	001
Tank Id:	246976
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J01 - Dispenser - Pressurized Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/23/2012
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	01/17/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

N100 **EDR US Hist Auto Stat** **1015492430**
NNW **4305 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.151 mi.
799 ft. **Site 10 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	ANTONS AUTO REPR
Year:	2000
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2001
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2002
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2003
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2004
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2005
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2006
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2007
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2008
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2009
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2010
Address:	4305 CRESCENT ST
Name:	ANTONS AUTOMOBILE REPAIR
Year:	2011
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPR
Year:	2012
Address:	4305 CRESCENT ST

N101 **FEDERAL PACIFIC ELECTRIC CO** **RCRA NonGen / NLR** **1000212443**
NNW **4300 CRESCENT ST** **FINDS** **NYD001268325**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.155 mi.
816 ft. **Site 11 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FEDERAL PACIFIC ELECTRIC CO
Facility address:	4300 CRESCENT ST LONG ISLAND CITY, NY 111014207
EPA ID:	NYD001268325
Mailing address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 09/26/1985
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/11/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110001582537

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD001268325
Country: USA
Mailing Name: AMERICAN PROPERTIES CORPORATION
Mailing Contact: C/O TINICUM INVESTORS
Mailing Address: 85 2ND AVE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10017
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-7300

Document ID: NJA0369424

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	871223
Trans1 Recv Date:	871223
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871223
Part A Recv Date:	871230
Part B Recv Date:	880105
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NJA0403482
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	880414
Trans1 Recv Date:	880414
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880414
Part A Recv Date:	880601
Part B Recv Date:	880420
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00520
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NJA0534650
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	881104
Trans1 Recv Date:	881104
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881104
Part A Recv Date:	881122
Part B Recv Date:	881220
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Document ID:	NJA0334940
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	870918
Trans1 Recv Date:	870918
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870918
Part A Recv Date:	871006
Part B Recv Date:	870925
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Document ID:	NYA3544885
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	870603
Trans1 Recv Date:	870603
Trans2 Recv Date:	870608
TSD Site Recv Date:	870609
Part A Recv Date:	870609
Part B Recv Date:	870615
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	DCD981735244
Trans2 EPA ID:	DCD981735244
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	132
Year:	87

Document ID:	NJA0403467
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	880411
Trans1 Recv Date:	880411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880411
Part A Recv Date:	880418
Part B Recv Date:	880419
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00495
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	009
Container Type:	DM - Metal drums, barrels

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

N102 **43-00 CRESCENT ST.** **NY UST** **U001840988**
NNW **43-00 CRESCENT ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
818 ft. **Site 12 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

UST:

Id/Status:	2-480606 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589296.38959999999
UTM Y:	4511415.8164299997
Site Type:	Unknown

Affiliation Records:

Site Id:	21452
Affiliation Type:	Mail Contact
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	309 E. 45 STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

43-00 CRESCENT ST. (Continued) **U001840988**

Site Id:	21452
Affiliation Type:	Facility Owner
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	309 E. 45 STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21452
Affiliation Type:	On-Site Operator
Company Name:	43-00 CRESCENT ST.
Contact Type:	Not reported
Contact Name:	ROCKROSE CONSTRUCTION CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21452
Affiliation Type:	Emergency Contact
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	DAN HARDER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 628-6504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	41093
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91

43-00 CRESCENT ST. (Continued) **U001840988**

Capacity Gallons:	6000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None

Tank Number:	002
Tank ID:	41094
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None

43-00 CRESCENT ST. (Continued) **U001840988**

Tank Number: 003
Tank ID: 41095
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 1000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 004
Tank ID: 41096
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 5000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

43-00 CRESCENT ST. (Continued) **U001840988**

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 005
Tank ID: 41097
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 500
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-480606
SPDES Number: Not reported
Emergency Contact: DAN HARDER
Emergency Telephone: (212) 628-6504
Operator: ROCKROSE CONSTRUCTION CORP.
Operator Telephone: (212) 697-4422
Owner Name: 43-00 CRESCENT ST REALTY CORP.
Owner Address: 309 E. 45 STREET
Owner City,St,Zip: NEW YORK, NY 10017
Owner Telephone: (212) 697-4422
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Name: 43-00 CRESCENT ST REALTY CORP.
Mailing Address: 309 E. 45 STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10017
Mailing Contact: Not reported
Mailing Telephone: (212) 697-4422
Owner Mark: Second Owner

43-00 CRESCENT ST. (Continued) **U001840988**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	43000 CRESCENT ST
SWIS ID:	6301
Old PBS Number:	032085
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	05/16/1995
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991

43-00 CRESCENT ST. (Continued) **U001840988**

Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

43-00 CRESCENT ST. (Continued) **U001840988**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	500
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

N103 **NYCDEP** **NY MANIFEST** **S113813857**
NNW **CRESCENT & 43RD AVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
820 ft. **Site 13 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYP003665684
Country:	USA
Mailing Name:	NYCDEP
Mailing Contact:	MOHAMED ABDELAD

NYCDEP (Continued) **S113813857**

Mailing Address:	96-05 HORACE HARDING EXPRESSWAY
Mailing Address 2:	Not reported
Mailing City:	CORONA
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD064748304
Trans2 State ID:	NJD080631369
Generator Ship Date:	22-May-2013 00:00:00
Trans1 Recv Date:	22-May-2013 00:00:00
Trans2 Recv Date:	29-May-2013 00:00:00
TSD Site Recv Date:	31-May-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003665684
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	008760363JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

P104 **EDR US Hist Auto Stat** **1015355925**
NW **2415 44TH RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
821 ft. **Site 1 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	A M G AUTO REPAIR
Year:	1999
Address:	2415 44TH RD
Name:	AMG AUTO REPAIR
Year:	2011

(Continued) **1015355925**

Address: 2415 44TH RD

Name: AMG AUTO REPAIR
Year: 2012
Address: 2415 44TH RD

P105 **2415 44TH ROAD LLC** **NY AST** **A100300808**
NW **24-15 44TH ROAD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.156 mi.
824 ft. **Site 2 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-600776
Program Type: PBS
UTM X: 589177.33453999995
UTM Y: 4511345.8810299998
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 22753
Affiliation Type: Facility Owner
Company Name: ROCKROSE DEVELOPMENT CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 290 PARK AVENUE SOUTH
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10010
Country Code: 001
Phone: (212) 375-1155
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22753
Affiliation Type: Mail Contact
Company Name: COASTAL COMBUSTION CORPORATION
Contact Type: Not reported
Contact Name: SERV. DEPT.
Address1: 1310 JERICHO TURNPIKE
Address2: P.O. BOX 23
City: NEW HYDE PARK
State: NY
Zip Code: 11040
Country Code: 001
Phone: (800) 734-4328
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

2415 44TH ROAD LLC (Continued) **A100300808**

Site Id:	22753
Affiliation Type:	On-Site Operator
Company Name:	2415 44TH ROAD LLC
Contact Type:	Not reported
Contact Name:	ISHMAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-9303
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22753
Affiliation Type:	Emergency Contact
Company Name:	ROCKROSE DEVELOPMENT CORPORATION
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(800) 734-4328
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	43712
Material Code:	0000
Common Name of Substance:	Empty

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported

2415 44TH ROAD LLC (Continued) **A100300808**

Capacity Gallons:	2020
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Empty

P106 **EDR US Hist Auto Stat** **1015355790**
NW **2413 44TH RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.156 mi.
826 ft. **Site 3 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	2011
Address:	2413 44TH RD
Name:	GREGS AUTO BODY SHOP
Year:	2012
Address:	2413 44TH RD

P107 **EDR US Hist Auto Stat** **1015355788**
NW **2413 44** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.157 mi.
827 ft. **Site 4 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	1999
Address:	2413 44
Name:	GREGS AUTO BODY SHOP
Year:	2000
Address:	2413 44

Q108 **45-17 PEARSON ST 45-18 CRT SQ** **NY AST** **U000406504**
SW **45-17 PEARSON ST (45-18 CRT SQ)** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11101**
0.166 mi.
874 ft. **Site 1 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-207098
Program Type:	PBS
UTM X:	589099.14234999998
UTM Y:	4511079.4832199998
Expiration Date:	N/A

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Site Type: Other

Affiliation Records:

Site Id: 7331
Affiliation Type: Facility Owner
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported
Contact Name: Not reported
Address1: 60 E 56TH ST 7TH FL
Address2: Not reported
City: NY
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 7331
Affiliation Type: Mail Contact
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported
Contact Name: Not reported
Address1: 60 E 56TH ST 7TH FL
Address2: Not reported
City: NY
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 7331
Affiliation Type: On-Site Operator
Company Name: 45-17 PEARSON ST 45-18 CRT SQ
Contact Type: Not reported
Contact Name: LONG ISLAND CITY REALTY CO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 7331
Affiliation Type: Emergency Contact
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Contact Name:	LONG ISLAND CITY REALTY CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 751-4627
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	24945
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	6700
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/01/1990
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	24946
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/01/1990
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-207098
SWIS Code:	6301
Operator:	LONG ISLAND CITY REALTY CO
Facility Phone:	(212) 751-4627
Facility Addr2:	45017 PEARSON ST
Facility Type:	Not reported
Emergency:	LONG ISLAND CITY REALTY CO
Emergency Tel:	(212) 751-4627
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RICHARD ZIRINSKY
Owner Address:	60 E 56TH ST 7TH FL
Owner City,St,Zip:	NY, NY 10022
Federal ID:	Not reported
Owner Tel:	(212) 751-4627
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	RICHARD ZIRINSKY
Mailing Address:	60 E 56TH ST 7TH FL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10022
Mailing Telephone:	(212) 751-4627
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	01/07/1988
Expiration:	01/07/1993
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Owner Screen: Minor Data Missing
Tank Screen: 0
Dead Letter: False
CBS Number: Not reported
Town or City: NEW YORK CITY
County Code: 63
Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (Gal): 6700
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 9
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 08/01/1990
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 002
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (Gal): 5000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Date Closed:	08/01/1990
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

O109 **21-45 44TH DRIVE** **NY UST** **U004122104**
WNW **21-45 44TH DRIVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 2 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

UST:

Id/Status:	2-610851 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	588181.06611000001
UTM Y:	4511490.1296499996
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	398441
Affiliation Type:	Facility Owner
Company Name:	21-45 44TH DRIVE LLC
Contact Type:	MEMBER
Contact Name:	STUART SUNA
Address1:	42-22 22ND STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 906-2198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Site Id:	398441
Affiliation Type:	Mail Contact
Company Name:	LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
Contact Type:	Not reported
Contact Name:	JOEL LANDES
Address1:	21 PENN PLAZA
Address2:	360 WEST 31ST STREET, 8TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 479-5400
EMail:	KMERRILL@LANGAN.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/2/2010

21-45 44TH DRIVE (Continued) **U004122104**

Site Id:	398441
Affiliation Type:	On-Site Operator
Company Name:	21-45 44TH DRIVE
Contact Type:	Not reported
Contact Name:	MARK GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 906-2191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Site Id:	398441
Affiliation Type:	Emergency Contact
Company Name:	21-45 44TH DRIVE LLC
Contact Type:	Not reported
Contact Name:	MARK GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 906-2191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Tank Info:

Tank Number:	1
Tank ID:	223364
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	01/01/1946
Date Tank Closed:	07/31/2008
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	CGFREEDM
Last Modified:	12/02/2010

Equipment Records:

21-45 44TH DRIVE (Continued) **U004122104**

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

O110 **CLEANCO INDUSTRIAL SERVICES OF NY INC** **RCRA NonGen / NLR** **1000151535**
WNW **10-39 44TH DR** **FINDS** **NYD066969700**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 3 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Facility address:	10-39 44TH DR LONG ISLAND CITY, NY 11101
EPA ID:	NYD066969700
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	KEVIN MCDERMOTT
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-8311
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

CLEANCO INDUSTRIAL SERVICES OF NY INC (Continued) **1000151535**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CLEANCO INDUSTRIAL SERVICES OF NY INC
Classification: Not a generator, verified

Date form received by agency: 07/10/1981
Facility name: CLEANCO INDUSTRIAL SERVICES OF NY INC
Classification: Unverified

Violation Status: No violations found

FINDS:

Registry ID: 110004365240

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O111 **DENTSPLY TRU-BYTE** **RCRA NonGen / NLR** **1009399910**
WNW **10-39 44TH DR** **NYR000138743**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 4 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: DENTSPLY TRU-BYTE
Facility address: 10-39 44TH DR
LONG ISLAND CITY, NY 111017013
EPA ID: NYR000138743
Mailing address: W COLLEGE AVE
YORK, PA 174050872
Contact: WAYNE BOLLINGER
Contact address: W COLLEGE AVE

DENTSPLY TRU-BYTE (Continued) **1009399910**

YORK, PA 174050872
Contact country: US
Contact telephone: (717) 849-4240
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DENTSPLY TRU-BYTE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/23/2006
Owner/Op end date: Not reported

Owner/operator name: WAYNE BOLLINGER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/23/2006
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/27/2006
Facility name: DENTSPLY TRU-BYTE
Classification: Large Quantity Generator

Date form received by agency: 03/26/2006
Facility name: DENTSPLY TRU-BYTE
Classification: Large Quantity Generator

Violation Status: No violations found

O112 **ROSS WATCH CASE CORP** **RCRA NonGen / NLR** **1000376253**
WNW **21-30-42 44TH DR** **FINDS** **NYD053175196**
1/8-1/4 **LONG ISLAND CITY, NY**
0.167 mi.
880 ft. **Site 5 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ROSS WATCH CASE CORP
Facility address:	21-30-42 44TH DR LONG ISLAND CITY, NY 111014710
EPA ID:	NYD053175196
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROSS WATCH CASE CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ROSS WATCH CASE CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

ROSS WATCH CASE CORP (Continued) **1000376253**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ROSS WATCH CASE CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ROSS WATCH CASE CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ROSS WATCH CASE CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008002874

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O113 **JAGUAR GOLD PRODUCT** **RCRA NonGen / NLR** **1000446330**
WNW **21-30 44TH DR** **FINDS** **NYD986912392**
1/8-1/4 **LONG ISLAND CITY, NY**
0.167 mi.
880 ft. **Site 6 of 7 in cluster O**

Relative: Higher

Actual: 16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: JAGUAR GOLD PRODUCT
Facility address: 21-30 44TH DR
LONG ISLAND CITY, NY 111014710
EPA ID: NYD986912392
Mailing address: 44TH DR
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 44TH DR
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

JAGUAR GOLD PRODUCT (Continued) **1000446330**

Owner/operator name: JAGUAR GOLD PRODUCT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAGUAR GOLD PRODUCT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: JAGUAR GOLD PRODUCT
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: JAGUAR GOLD PRODUCT
Classification: Not a generator, verified

Date form received by agency: 09/10/1990
Facility name: JAGUAR GOLD PRODUCT
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009479171

Environmental Interest/Information System

JAGUAR GOLD PRODUCT (Continued) **1000446330**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O114 **E ZAPPI DERMATOPATHOLOGY LAB INC** **RCRA NonGen / NLR** **1001197237**
WNW **21-51 44TH DR** **FINDS** **NYR000036426**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 7 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	E ZAPPI DERMATOPATHOLOGY LAB INC
Facility address:	21-51 44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
EPA ID:	NYR000036426
Mailing address:	44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
Contact:	JEROLD GIBBS
Contact address:	44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 458-9078
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DAWNMARK REALTY
Owner/operator address:	23-01 44TH DR LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 786-0403
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DAWNMARK REALTY
Owner/operator address:	23-01 44TH DR LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 786-0403
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

E ZAPPI DERMATOPATHOLOGY LAB INC (Continued) **1001197237**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Facility name: E ZAPPI DERMATOPATHOLOGY LAB INC
- Classification: Not a generator, verified

- Date form received by agency: 03/07/1997
- Facility name: E ZAPPI DERMATOPATHOLOGY LAB INC
- Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 03/04/1997
- Date achieved compliance: 07/02/1997
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 03/04/1997
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: LDR - General
- Date violation determined: 03/04/1997
- Date achieved compliance: 07/02/1997
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 03/04/1997
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

E ZAPPI DERMATOPATHOLOGY LAB INC (Continued) **1001197237**

Evaluation Action Summary:
Evaluation date: 01/22/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/02/1997
Evaluation lead agency: State

Evaluation date: 01/22/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/02/1997
Evaluation lead agency: State

FINDS:

Registry ID: 110004532881

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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115 **LIRR - HUNTERS POINT YARD** **RCRA-CESQG** **1008374549**
SSE **SKILLMAN AVE & 27TH ST** **NY MANIFEST** **NYR000132985**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.170 mi.
896 ft.

Relative:
Higher

Actual:
14 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: LIRR - HUNTERS POINT YARD
Facility address: SKILLMAN AVE & 27TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000132985
Mailing address: 183RD ST - DEPT 3147
HOLLIS, NY 11423
Contact: LEWIS D WUNDERLICH
Contact address: 183RD ST - DEPT 3147
HOLLIS, NY 11423
Contact country: US
Contact telephone: (718) 558-3252
Contact email: LWUNDER@LIRR.ORG
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA LONG ISLAND RAILROAD
Owner/operator address:	SUTPHIN BLVD
	JAMAICA, NY 11435
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/29/2005
Owner/Op end date:	Not reported
Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/29/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	LIRR - HUNTERS POINT YARD
Classification:	Conditionally Exempt Small Quantity Generator
Date form received by agency:	06/30/2005
Facility name:	LIRR - HUNTERS POINT YARD
Classification:	Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYR000132985

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Country:	USA
Mailing Name:	LONG ISLAND RAILROAD
Mailing Contact:	ADAM MCCOOL
Mailing Address:	93-59 183RD ST
Mailing Address 2:	Not reported
Mailing City:	HOLLIS
Mailing State:	NY
Mailing Zip:	11423
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-558-3359

Document ID:	NYH1459854
Manifest Status:	Not reported
Trans1 State ID:	NYD986938645
Trans2 State ID:	Not reported
Generator Ship Date:	09/20/2005
Trans1 Recv Date:	09/20/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	CFD1677NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYH1459854
Manifest Status:	Not reported
Trans1 State ID:	NYD986938645
Trans2 State ID:	Not reported
Generator Ship Date:	09/20/2005
Trans1 Recv Date:	09/20/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	CFD1677NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Specific Gravity:	01.00
Year:	2005
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Q116 **STERNBERGER WAREHOUSE** **NY MANIFEST** **1009231834**
SW **45-55 PEARSON ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 2 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

NY MANIFEST:

EPA ID:	NYP000789529
Country:	USA
Mailing Name:	STERNBERGER WAREHOUSE
Mailing Contact:	STERNBERGER WAREHOUSE
Mailing Address:	45-55 PEARSON ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-0300

Document ID:	NYA2204865
Manifest Status:	Completed copy
Trans1 State ID:	NY64503GJ
Trans2 State ID:	Not reported
Generator Ship Date:	860317
Trans1 Recv Date:	860317
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860317
Part A Recv Date:	860321
Part B Recv Date:	860325
Generator EPA ID:	NYP000789529
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00042
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00107
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

Q117 **CITYWIDE SELF STORAGE** **NY UST** **U004081629**
SW **45-55 PEARSON STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 3 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

UST:

Id/Status:	2-081566 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2015/01/03
UTM X:	589133.75289
UTM Y:	4511017.0601700004
Site Type:	Other

Affiliation Records:

Site Id:	1707
Affiliation Type:	Mail Contact
Company Name:	CITIWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	On-Site Operator
Company Name:	CITYWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	Emergency Contact
Company Name:	JRK NEW YORK STORAGE I LLC
Contact Type:	Not reported
Contact Name:	RICHARD VESPI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

CITYWIDE SELF STORAGE (Continued) **U004081629**

Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	1/3/2005

Site Id:	1707
Affiliation Type:	Facility Owner
Company Name:	JRK NEW YORK STORAGE I LLC
Contact Type:	GENERAL MGR
Contact Name:	GLENN GOLD
Address1:	11766 WILSHIRE BLVD #1450
Address2:	Not reported
City:	LOS ANGELES
State:	CA
Zip Code:	90025
Country Code:	001
Phone:	(310) 268-8344
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Tank Info:

Tank Number:	001
Tank ID:	2915
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/1967
Date Tank Closed:	06/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

CITYWIDE SELF STORAGE (Continued) **U004081629**

Tank Number: 002
Tank ID: 2916
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1967
Date Tank Closed: 06/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Tank Number: 003
Tank ID: 2917
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1967
Date Tank Closed: 06/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping

CITYWIDE SELF STORAGE (Continued) **U004081629**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	004
Tank ID:	2918
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	12/01/1975
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number:	005
Tank ID:	2919
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	12/01/1975
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

CITYWIDE SELF STORAGE (Continued) **U004081629**

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Q118 **CITYWIDE SELF STORAGE** **NY AST** **A100193870**
SW **45-55 PEARSON STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 4 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-081566
Program Type:	PBS
UTM X:	589133.75289
UTM Y:	4511017.0601700004
Expiration Date:	2015/01/03
Site Type:	Other

Affiliation Records:

Site Id:	1707
Affiliation Type:	Mail Contact
Company Name:	CITIWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	On-Site Operator
Company Name:	CITYWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-0300

CITYWIDE SELF STORAGE (Continued) **A100193870**

EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/7/2012

Site Id: 1707
Affiliation Type: Emergency Contact
Company Name: JRK NEW YORK STORAGE I LLC
Contact Type: Not reported
Contact Name: RICHARD VESPI
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 482-0300
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 1/3/2005

Site Id: 1707
Affiliation Type: Facility Owner
Company Name: JRK NEW YORK STORAGE I LLC
Contact Type: GENERAL MGR
Contact Name: GLENN GOLD
Address1: 11766 WILSHIRE BLVD #1450
Address2: Not reported
City: LOS ANGELES
State: CA
Zip Code: 90025
Country Code: 001
Phone: (310) 268-8344
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/7/2012

Tank Info:

Tank Number: 006
Tank Id: 62393
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A01 - Tank Internal Protection - Epoxy Liner
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

CITYWIDE SELF STORAGE (Continued) **A100193870**

C01 - Pipe Location - Aboveground
I01 - Overfill - Float Vent Valve
E12 - Piping Secondary Containment - Double-Wall (Aboveground)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/17/1992
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/07/2012
Material Name:	#6 Fuel Oil (On-Site Consumption)

Q119 **STERNBERGER MOTOR - G A P REALTY** **RCRA NonGen / NLR** **1000789790**
SW **45-55 PEARSON ST APT UNKNOWN** **FINDS** **NYD987012549**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.171 mi.
904 ft. **Site 5 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	STERNBERGER MOTOR - G A P REALTY
Facility address:	45-55 PEARSON ST APT UNKNOWN MULTIPLE UNITS ON THE SITE LONG ISLAND CITY, NY 11101
EPA ID:	NYD987012549
Mailing address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICHAEL GLUCK
Owner/operator address:	45-55 PEARSON ST LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 361-2121
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MICHAEL GLUCK
Owner/operator address:	45-55 PEARSON ST

STERNBERGER MOTOR - G A P REALTY (Continued) **1000789790**

LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-2121
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Not a generator, verified

Date form received by agency: 08/18/1992
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004494128

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

STERNBERGER MOTOR - G A P REALTY (Continued) **1000789790**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD987012549
Country:	USA
Mailing Name:	STERNBERGER MOTOR
Mailing Contact:	STERNBERGER MOTOR
Mailing Address:	44-55 PEARSON STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	Not reported
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-361-2121

Document ID:	NYB4124376
Manifest Status:	Completed copy
Trans1 State ID:	DEC1A036
Trans2 State ID:	Not reported
Generator Ship Date:	920922
Trans1 Recv Date:	920922
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920925
Part A Recv Date:	Not reported
Part B Recv Date:	921005
Generator EPA ID:	NYD987012549
Trans1 EPA ID:	NYD980592570
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01200
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

R120 **RML CO.** **NY AST** **U003396594**
WSW **24-20 JACKSON AVENUE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 1 of 2 in cluster R**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-602342
Program Type:	PBS
UTM X:	589102.41793999996
UTM Y:	4511116.0493200002
Expiration Date:	2017/10/26

RML CO. (Continued) **U003396594**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 24299
Affiliation Type: On-Site Operator
Company Name: RML CO.
Contact Type: Not reported
Contact Name: DAVID MORSE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 24299
Affiliation Type: Emergency Contact
Company Name: RML CO.
Contact Type: Not reported
Contact Name: DAVID MORSE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 24299
Affiliation Type: Facility Owner
Company Name: RML II, LLC
Contact Type: MANAGER
Contact Name: DAVID MORSE
Address1: 57 JUDSON AVE
Address2: Not reported
City: DOBBS FERRY
State: NY
Zip Code: 10522
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/3/2010

Site Id: 24299
Affiliation Type: Mail Contact
Company Name: RML II, LLC
Contact Type: MANAGER

RML CO. (Continued) **U003396594**

Contact Name:	DAVID MORSE
Address1:	57 JUDSON AVE
Address2:	Not reported
City:	DOBBS FERRY
State:	NY
Zip Code:	10522
Country Code:	001
Phone:	(914) 674-0063
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/3/2010

Tank Info:

Tank Number:	001
Tank Id:	49828
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/30/1968
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	06/03/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-602342
SWIS Code:	6301
Operator:	DAVID MORSE
Facility Phone:	(914) 674-0063
Facility Addr2:	Not reported
Facility Type:	Not reported
Emergency:	DAVID MORSE

RML CO. (Continued) **U003396594**

Emergency Tel:	(914) 674-0063
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RML CO.
Owner Address:	57 JUDSON AVENUE
Owner City,St,Zip:	DOBBS FERRY, NY 10522
Federal ID:	Not reported
Owner Tel:	(914) 674-0063
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	DAVID MORSE
Mailing Name:	RML CO.
Mailing Address:	57 JUDSON AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	DOBBS FERRY, NY 10522
Mailing Telephone:	(914) 674-0063
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/21/2000
Expiration:	07/17/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Double-Walled
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported

RML CO. (Continued) **U003396594**

Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

S121 **INTERNATIONAL DESIGN CENTER** **RCRA NonGen / NLR** **1000446329**
SE **29-10 THOMPSON AVE 9TH FL** **FINDS** **NYD986904100**
1/8-1/4 **LONG ISLAND CITY, NY**
0.175 mi.
925 ft. **Site 1 of 2 in cluster S**

Relative:
Higher

Actual:
24 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: INTERNATIONAL DESIGN CENTER
Facility address: 29-10 THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
EPA ID: NYD986904100
Mailing address: THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PERRY VELLA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PERRY VELLA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

INTERNATIONAL DESIGN CENTER (Continued) **1000446329**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Not a generator, verified

Date form received by agency: 06/14/1990
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004448287

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S122 **NYSDOT G CAMPBELL PAINTING D253009** **RCRA NonGen / NLR** **1000458443**
ESE **THOMPSON AVE BRIDGE** **FINDS** **NYD986943264**
1/8-1/4 **LONG ISLAND CITY, NY 11100**
0.176 mi.
928 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
22 ft.

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Facility address: THOMPSON AVE BRIDGE
LONG ISLAND CITY, NY 11100
EPA ID: NYD986943264
Mailing address: COLLEGE POINT BLVD
FLUSHING, NY 11354
Contact: GEORGE CAMPBELL
Contact address: COLLEGE POINT BLVD

NYSDOT G CAMPBELL PAINTING D253009 (Continued) **1000458443**

FLUSHING, NY 11354
Contact country: US
Contact telephone: (718) 353-8330
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NYSDOT
Owner/operator address: BLD 5 HARRIMAN STATE CAMPUS
ALBANY, NY 12232
Owner/operator country: US
Owner/operator telephone: (518) 457-6195
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYSDOT
Owner/operator address: BLD 5 HARRIMAN STATE CAMPUS
ALBANY, NY 12232
Owner/operator country: US
Owner/operator telephone: (518) 457-6195
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Classification: Not a generator, verified

Date form received by agency: 03/08/1991
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Classification: Not a generator, verified

Violation Status: No violations found

NYSDOT G CAMPBELL PAINTING D253009 (Continued) **1000458443**

FINDS:

Registry ID: 110008048175

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

123
WNW
1/8-1/4
0.177 mi.
933 ft.

PERENNIALLY GREEN INC
23-13 44TH DR
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000871666**
FINDS **NY0000082826**
NY MANIFEST

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: PERENNIALLY GREEN INC
Facility address: 23-13 44TH DR
LONG ISLAND CITY, NY 111014711
EPA ID: NY0000082826
Mailing address: JACKSON AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: JACKSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PERENNIALLY GREEN INC
Owner/operator address: 153 E 53RD ST
NEW YORK, NY 10022
Owner/operator country: US
Owner/operator telephone: (212) 559-2421
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PERENNIALLY GREEN INC
Owner/operator address: 153 E 53RD ST
NEW YORK, NY 10022
Owner/operator country: US
Owner/operator telephone: (212) 559-2421
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

PERENNIALLY GREEN INC (Continued) **1000871666**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PERENNIALLY GREEN INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: PERENNIALLY GREEN INC
Classification: Not a generator, verified

Date form received by agency: 12/21/1993
Facility name: PERENNIALLY GREEN INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004310576

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NY0000082826
Country: USA
Mailing Name: CUSHMAN & WAKEFIELD
Mailing Contact: FRED VARONE
Mailing Address: 250 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported

PERENNIALLY GREEN INC (Continued) **1000871666**

Mailing Country: USA
Mailing Phone: 718-248-2000

Document ID: NJA1808044
Manifest Status: Completed copy
Trans1 State ID: DL8600869
Trans2 State ID: 08690
Generator Ship Date: 940303
Trans1 Recv Date: 940303
Trans2 Recv Date: 940307
TSD Site Recv Date: 940308
Part A Recv Date: 940311
Part B Recv Date: 940318
Generator EPA ID: NY0000082826
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: ILD984908202
TSDF ID: NJD002182897
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 94

Document ID: NJA1740672
Manifest Status: Completed copy
Trans1 State ID: NJDEPE086
Trans2 State ID: Not reported
Generator Ship Date: 940223
Trans1 Recv Date: 940223
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940225
Part A Recv Date: 940307
Part B Recv Date: 940311
Generator EPA ID: NY0000082826
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 94

Q124 **MATSON MFG CO INC** **RCRA NonGen / NLR** **1000384219**
SW **45-17 PEARSON ST** **FINDS** **NYD088488598**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.177 mi.
935 ft. **Site 6 of 6 in cluster Q**

Relative:
Lower

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MATSON MFG CO INC
Facility address:	45-17 PEARSON ST LONG ISLAND CITY, NY 111014307
EPA ID:	NYD088488598
Mailing address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	INTERNATIONAL FASTENER RESEARCH CORP.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	INTERNATIONAL FASTENER RESEARCH CORP.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

MATSON MFG CO INC (Continued) **1000384219**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MATSON MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: MATSON MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 08/07/1980
Facility name: MATSON MFG CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009468931

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD088488598
Country: USA
Mailing Name: MATSON MFG CO INC
Mailing Contact: HARRY C. HAINES SUPERVIS
Mailing Address: 45-17 PEARSON ST
Mailing Address 2: Not reported
Mailing City: LONG IS CY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-786-1744

Document ID: NYO3018465

MATSON MFG CO INC (Continued) **1000384219**

Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	830606
Trans1 Recv Date:	830606
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830605
Part A Recv Date:	030628
Part B Recv Date:	030628
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO2736774
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	831215
Trans1 Recv Date:	831215
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	831215
Part A Recv Date:	031227
Part B Recv Date:	031227
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO2736207
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029

MATSON MFG CO INC (Continued) **1000384219**

Trans2 State ID:	Not reported
Generator Ship Date:	831128
Trans1 Recv Date:	831128
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	831128
Part A Recv Date:	031207
Part B Recv Date:	031207
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYA1446264
Manifest Status:	Completed copy
Trans1 State ID:	XB72HPNJ
Trans2 State ID:	Not reported
Generator Ship Date:	841218
Trans1 Recv Date:	841218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	841218
Part A Recv Date:	841220
Part B Recv Date:	841227
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01155
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	84

Document ID:	NYO4111677
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	840608
Trans1 Recv Date:	840608
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840608
Part A Recv Date:	840613
Part B Recv Date:	840620
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263

MATSON MFG CO INC (Continued) **1000384219**

Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 84

Document ID: NYO3705408
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 840828
Trans1 Recv Date: 840828
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840828
Part A Recv Date: 840831
Part B Recv Date: 840910
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 01155
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 84

Document ID: NYO3144636
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 840327
Trans1 Recv Date: 840327
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840327
Part A Recv Date: 840530
Part B Recv Date: 840409
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100

MATSON MFG CO INC (Continued) **1000384219**

Year: 84

Document ID: CTA0078430
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 6691JWNY
Trans2 State ID: X612XBNJ
Generator Ship Date: 860115
Trans1 Recv Date: 860115
Trans2 Recv Date: 860123
TSD Site Recv Date: 860117
Part A Recv Date: 860219
Part B Recv Date: 860131
Generator EPA ID: NYD088488598
Trans1 EPA ID: CTD981069099
Trans2 EPA ID: CTD981069099
TSDF ID: CTD018656819
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00570
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 86

Document ID: NYO1546911
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 820611
Trans1 Recv Date: 820611
Trans2 Recv Date: Not reported
TSD Site Recv Date: 820611
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00275
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 82

Document ID: NYO1145043
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 02A-029
Trans2 State ID: Not reported
Generator Ship Date: 820225
Trans1 Recv Date: 820225

MATSON MFG CO INC (Continued) **1000384219**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820225
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	82

Document ID:	NYA3812488
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	860626
Trans1 Recv Date:	860626
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860626
Part A Recv Date:	860813
Part B Recv Date:	860630
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00002
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3812477
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	97763GT
Trans2 State ID:	Not reported
Generator Ship Date:	860626
Trans1 Recv Date:	860626
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860626

MATSON MFG CO INC (Continued) **1000384219**

Part A Recv Date:	860813
Part B Recv Date:	860630
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00090
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00022
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3128646
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	18946GL
Trans2 State ID:	Not reported
Generator Ship Date:	860725
Trans1 Recv Date:	860725
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860725
Part A Recv Date:	860903
Part B Recv Date:	860801
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	P106 - SODIUM CYANIDE
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

MATSON MFG CO INC (Continued) **1000384219**

Specific Gravity: 100
Year: 86

Document ID: NYA2072457
Manifest Status: Completed copy
Trans1 State ID: 97763GJ
Trans2 State ID: Not reported
Generator Ship Date: 860129
Trans1 Recv Date: 860129
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860129
Part A Recv Date: 860204
Part B Recv Date: 860204
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F001 - UNKNOWN
Quantity: 00275
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86

Document ID: NYO1603242
Manifest Status: Generator copy
Trans1 State ID: 2A029
Trans2 State ID: Not reported
Generator Ship Date: 810619
Trans1 Recv Date: 810619
Trans2 Recv Date: Not reported
TSD Site Recv Date: Not reported
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00220
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 80-81

Document ID: NYO1603251
Manifest Status: TSDF copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 810410

MATSON MFG CO INC (Continued) **1000384219**

Trans1 Recv Date:	Not reported
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	810313
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	80-81

Document ID:	NYO1586826
Manifest Status:	Completed copy
Trans1 State ID:	02A-029
Trans2 State ID:	Not reported
Generator Ship Date:	811027
Trans1 Recv Date:	811027
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	811027
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F005 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	80-81

Document ID:	NYO2721177
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	830909
Trans1 Recv Date:	830909
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830909
Part A Recv Date:	030922
Part B Recv Date:	030922
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263

MATSON MFG CO INC (Continued) **1000384219**

Waste Code: F001 - UNKNOWN
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 83

Document ID: NYO2058264
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 821208
Trans1 Recv Date: 821208
Trans2 Recv Date: Not reported
TSD Site Recv Date: 821208
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 82

Document ID: NYO2446218
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 820910
Trans1 Recv Date: 820910
Trans2 Recv Date: Not reported
TSD Site Recv Date: 820910
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00325

MATSON MFG CO INC (Continued) **1000384219**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	82

Click this hyperlink while viewing on your computer to access
1 additional NY_MANIFEST: record(s) in the EDR Site Report.

T125 **EDR US Hist Auto Stat** **1015387833**
NE **2820 42ND RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.179 mi.
947 ft. **Site 1 of 2 in cluster T**

Relative:
Higher

Actual:
19 ft.

EDR Historical Auto Stations:

Name:	JACKMAN BROTHERS AUTO BODY
Year:	1999
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2000
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2001
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2002
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2003
Address:	2820 42ND RD

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126 **EAGLE ELECTRIC MFG CO INC** **NY AST** **U003393332**
NNW **43-35 24TH STREET** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11101**
0.180 mi.
949 ft.

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017388
Program Type:	PBS
UTM X:	589213.47773000004
UTM Y:	4511415.5948200002
Expiration Date:	2008/02/21
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	130
Affiliation Type:	Facility Owner

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Company Name:	ELECTRIC REALTY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	457 KNICKERBOCKER AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11237
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	10/28/2004

Site Id:	130
Affiliation Type:	Mail Contact
Company Name:	ELECTRIC REALTY
Contact Type:	Not reported
Contact Name:	AL PIZZUTO
Address1:	457 KNICKERBOCKER AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11237
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	10/28/2004

Site Id:	130
Affiliation Type:	On-Site Operator
Company Name:	BENFEILD ELECTRIC
Contact Type:	Not reported
Contact Name:	BENFEILD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	130
Affiliation Type:	Emergency Contact
Company Name:	ELECTRIC REALTY LLC
Contact Type:	Not reported
Contact Name:	TED LACHMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	27003
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
D00 - Pipe Type - No Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-017388
SWIS Code:	6301
Operator:	EAGLE ELECTRIC MFG CO INC
Facility Phone:	(718) 937-8000
Facility Addr2:	43035 24TH STREET
Facility Type:	Not reported
Emergency:	ALFRED PIZZUTO
Emergency Tel:	(914) 962-6467
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Owner Name:	EAGLE ELECTRIC MFG CO INC
Owner Address:	45-31 COURT SQ
Owner City,St,Zip:	LIC, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 937-8000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	AL PIZZUTO
Mailing Name:	EAGLE ELECTRIC MFG CO INC
Mailing Address:	45-31 COURT SQ
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LIC, NY 11101
Mailing Telephone:	(718) 937-8000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/30/1999
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	01
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

T127 **J BROTHERS AUTO BODY INC** **RCRA NonGen / NLR** **1004760310**
NE **28-20 42ND RD** **FINDS** **NYR000039644**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.180 mi.
952 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: J BROTHERS AUTO BODY INC
Facility address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
EPA ID: NYR000039644
Mailing address: 42ND RD
LONG ISLAND CITY, NY 11101
Contact: PATRICK JACKMAN
Contact address: 42ND RD
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 784-2888
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: J BROTHERS AUTO BODY INC
Owner/operator address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-2888
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: J BROTHERS AUTO BODY INC
Owner/operator address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-2888
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

J BROTHERS AUTO BODY INC (Continued) **1004760310**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	J BROTHERS AUTO BODY INC
Classification:	Not a generator, verified

Date form received by agency:	05/22/1997
Facility name:	J BROTHERS AUTO BODY INC
Classification:	Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004534549

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000039644
Country:	USA
Mailing Name:	JACKMAN BROTHERS AUTO BODY
Mailing Contact:	DARICK JACKMAN
Mailing Address:	28-20 42ND ROAD
Mailing Address 2:	Not reported
Mailing City:	LIC
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-2888

Document ID:	NJA2963795
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	06/30/1998
Trans1 Recv Date:	06/30/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/08/1998
Part A Recv Date:	Not reported

J BROTHERS AUTO BODY INC (Continued) **1004760310**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000039644
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	50160
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NJA3069086
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	10/07/1999
Trans1 Recv Date:	10/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/11/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000039644
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	50160
Waste Code:	F003 - UNKNOWN
Quantity:	00045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99

R128
WSW
1/8-1/4
0.181 mi.
957 ft.

Relative:
Higher

Actual:
16 ft.

CONSOLIDATED EDISON **NY MANIFEST** **1009239522**
PEARSON ST & JACKSON AVE **N/A**
QUEENS, NY 11101

Site 2 of 2 in cluster R

NY MANIFEST:

EPA ID:	NYP004062386
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

CONSOLIDATED EDISON (Continued) **1009239522**

Document ID:	NYE0671445
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2000
Trans1 Recv Date:	09/12/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004062386
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	GX3213
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	01093
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

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129 **EDR US Hist Cleaners** **1015062971**
SE **4507 28TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.183 mi.
964 ft.

Relative:
Higher

Actual:
20 ft.

EDR Historical Cleaners:

Name:	JIFFY JEFFS LAUNDROMAT
Year:	1999
Address:	4507 28TH ST
Name:	JIFFY JEFFS LAUNDROMAT
Year:	2000
Address:	4507 28TH ST

U130 **SATT REALTY CORP.** **NY UST** **U001839678**
South **26-32 SKILLMAN AVENUE** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.187 mi.
985 ft. **Site 1 of 2 in cluster U**

Relative:
Higher

Actual:
14 ft.

UST:

Id/Status:	2-349429 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589385.55319000001
UTM Y:	4510876.7618100001
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	17202
Affiliation Type:	Facility Owner

SATT REALTY CORP. (Continued) **U001839678**

Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	26132 SKILLMAN AVE.
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(800) 521-1132
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	Mail Contact
Company Name:	AMERICAN PLUME
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	P.O. BOX 566
Address2:	Not reported
City:	CLARKS SUMMIT
State:	PA
Zip Code:	18411
Country Code:	001
Phone:	(800) 521-1132
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	On-Site Operator
Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-1552
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	Emergency Contact
Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported

SATT REALTY CORP. (Continued) **U001839678**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 729-1552
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 33501
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: Not reported
Date Tank Closed: 08/01/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

HIST UST:
PBS Number: 2-349429
SPDES Number: Not reported
Emergency Contact: ERNEST TRENTO
Emergency Telephone: (516) 671-2766
Operator: ANTHONY TRENTO % ERNEST TRENTO
Operator Telephone: (718) 729-1552
Owner Name: ERNEST TRENTO
Owner Address: 15 MICHAEL F STREET
Owner City,St,Zip: LOCUST VALLEY, NY 11560
Owner Telephone: (516) 671-2766
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: SATT REALTY CORP.
Mailing Address: 26-32 SKILLMAN AVENUE

SATT REALTY CORP. (Continued) **U001839678**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 729-1552
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	26032 SKILLMAN AVE
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/27/2000
Expiration Date:	10/26/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	6000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Stainless steel alloy
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True

SATT REALTY CORP. (Continued) **U001839678**

Lat/long: Not reported

U131 **SPILL NUMBER 0303917** **NY LTANKS** **S105999403**
South **26-32 SKILLMAN AVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.187 mi.
985 ft. **Site 2 of 2 in cluster U**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	283736
Spill Number/Closed Date:	0209560 / 2/17/2006
Spill Date:	12/17/2002
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	Con Ed Unassigned
Referred To:	Not reported
Reported to Dept:	12/17/2002
CID:	198
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/17/2002
Spill Record Last Update:	2/17/2006
Spiller Name:	ERNEST
Spiller Company:	Not reported
Spiller Address:	26-32 SKILLMAN AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	ERNEST
Spiller Phone:	(718) 729-1552
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	228002
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"CALLED ERNEST TRENTO, CO-OWNER FOR THIS PROPERTY, WHO CONFIRMED THAT THE TANK FAILED TIGHTNESS TEST.TANK TEST FAILURE LETTER WILL BE SENT, VIA THE MAIL, TODAY.E.R. 1/14/04 TIPPLE Sent request for documentation.12/19/05 Feroze. Spill is transferred from Ketani to Feroze.02/01/06. Feroze . Phone No. 718- 729-1552 is not in service. PBS of this site is #2-349429.TTF is sent:Satt realty Corp.26-32 Skillman Ave,Long Island City. NY 11101.02/17/06. Feroze, According to PBS documents the tank is closed and removed from the place. There was a leak in dry portion of the tank. Consultation with DEc Jake the slill is closed.
Remarks:	CALLER AGENCY CALLED TO DO TANK TEST - TEST RESULTED IN DRY LEAKAGE.

Material:

Site ID:	283736
Operable Unit ID:	860830

SPILL NUMBER 0303917 (Continued) **S105999403**

Operable Unit: 01
Material ID: 512980
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 283736
Spill Tank Test: 1527845
Tank Number: 1
Tank Size: 6000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

Site ID: 280781
Spill Number/Closed Date: 0303917 / 1/7/2004
Spill Date: 7/14/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: CESAWYER
Referred To: Not reported
Reported to Dept: 7/14/2003
CID: 405
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 7/14/2003
Spill Record Last Update: 1/7/2004
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: 26-32 SKILLMAN AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller County: 001
Spiller Contact: ANTIL ANTOINE
Spiller Phone: (413) 246-2664
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 228002

SPILL NUMBER 0303917 (Continued) **S105999403**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"Tank test failure letter sent to:Mr. Ernie Trentoc/o American PlumePO Box 566Clarks Summit, PA 184119/17/03 TRANSFERRED FROM TIPPLE TO SAWYER11/26/03 1042 Hrs - Sawyer - Received an extensive fax from the lawyer J. James Carriero for the tank closure that happened on 8/1/03. All disposal, removal and end point sample analysis is contained in this report. A "No Further Action" letter will be sent to Ernie Trento. Closed.
Remarks: uncover - repair - retest

Material:
Site ID: 280781
Operable Unit ID: 872173
Operable Unit: 01
Material ID: 504775
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

132
NNW
1/8-1/4
0.189 mi.
998 ft.

Relative: Higher

Actual: 15 ft.

MORBECK CORP **NY AST U003389869**
24-15 43 AVE **NY HIST AST N/A**
LONG ISLAND CITY, NY 11101

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-309052
Program Type: PBS
UTM X: 589254.16087999998
UTM Y: 4511458.8288599998
Expiration Date: 2018/07/10
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
Site Id: 14071
Affiliation Type: Facility Owner
Company Name: AB MARBEC REALTY CORP
Contact Type: PRESIDENT
Contact Name: AVROHOM BECKER
Address1: 1684 59TH STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11204
Country Code: 001

MORBECK CORP (Continued) **U003389869**

Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

Site Id:	14071
Affiliation Type:	Mail Contact
Company Name:	AB MARBEC REALTY CORP
Contact Type:	PRESIDENT
Contact Name:	AVROHOM BECKER
Address1:	1684 59TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

Site Id:	14071
Affiliation Type:	On-Site Operator
Company Name:	AB MARBEC REALTY CORP
Contact Type:	Not reported
Contact Name:	CALVIN COOKS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-6420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14071
Affiliation Type:	Emergency Contact
Company Name:	AB MARBEC REALTY CORP
Contact Type:	Not reported
Contact Name:	AVROHOM BECKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

MORBECK CORP (Continued) **U003389869**

Tank Info:

Tank Number:	00A
Tank Id:	17769
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	00B
Tank Id:	17770
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron

MORBECK CORP (Continued) **U003389869**

Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	00C
Tank Id:	17771
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
I05 - Overfill - Vent Whistle

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-309052
SWIS Code:	6301
Operator:	MORBECK REALTY
Facility Phone:	(718) 392-7096
Facility Addr2:	24015 43 AVE
Facility Type:	Not reported
Emergency:	MORRIS BECKER
Emergency Tel:	(718) 633-2236

MORBECK CORP (Continued) **U003389869**

Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MORBECK CORP
Owner Address:	24-15 43 AVE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 392-7096
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MORBECK CORP
Mailing Address:	24-15 43 AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 392-7096
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/20/1987
Expiration:	07/20/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	9000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	True
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	00A
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

MORBECK CORP (Continued) **U003389869**

Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 00B
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 3000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 00C
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 3000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing

MORBECK CORP (Continued) **U003389869**

Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

V133 **QUEENS PLAZA RESIDENTIAL DEVELOPMENT** **NY BROWNFIELDS** **S108524793**
NE **28-10 JACKSON AVENUE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1017 ft. **Site 1 of 2 in cluster V**

Relative:
Higher

Actual:
18 ft.

BROWNFIELDS:
Program: BCP
Site Code: 379475
Site Description: Location: This Brownfield site is approximately 0.5 acres in size and is a portion of the Outlet City VCP site(#V00081) located at 28-10 Jackson Avenue, Long Island City. The site is located in Queens County, on Jackson Ave between Orchard Street to the east, Queens Blvd. to the west and Long Island Railroad yard to the south. The G-Train runs underneath Jackson Avenue bordering the site to the north. The nearest residential structure is located approximately 100ft to the west across Orchard street. Site Features: This 0.5 acre site is an empty lot in a congested commercial/industrial area of Queens County. Current Zoning/Uses(s): The current zoning at the site is Industrial and Retail. The surrounding area is zoned Special Long Island City Mixed Use District (LIC) and is a longstanding mix of residential, commercial, industrial and cultural uses at varying densities.Historical Uses: The site had formerly been used for chemical manufacturing. From 1901-1978, West Chemical Co. owned the property and manufactured commercial and disinfectant products such as disinfectants, insecticides, soaps, floor wax, and paper products dispensing machines. Manufacturing operations employed various chemical substances including creosote, coal and acids, cresylic acids, degreasing solvents, iodine, and assorted oils and pesticides. Metal plating and gasoline filling operations were also conducted at the property. Intended use for this site is to build a multi-tenant high-rise residential apartment building with ground floor commercial space and a basement.The Remedial Work Plan was publicly noticed in June/July 2007 and was approved by the state on August 16,2007. The remedial action has not yet been done (Sept. 2011).Site Geology and Hydrogeology: Site geology consists of mostly sand at varying depths due to presence of shallow bedrock. Groundwater is approximately 8 -10ft below grade.
Env Problem: The release of approximately 5000 gallons of creosote caused extensive soil and groundwater contamination that includes the presence of LNAPL and residual DNAPL. This site is considered a significant threat to the environment.Contaminants in soil which exceed soil cleanup objectives primarily include: Naphthalene, 2-Methylnaphthalene, Acenaphtene, Dibenzofuran, Flourene, Benzene, Ethylbenzene, and total Xylenes.Contaminants in groundwater which exceed groundwater standards primarily include: 2-methylphenol, phenol, Napthalene, 2-methylnaphthalene, benzene, Toluene, Ethylbenzene, and total xylenes.
Health Problem: The remedial investigation documented that subsurface soils and groundwater are contaminated with volatile organic compounds, semi volatile organic compounds, and chlorinated solvents. Exposures via

QUEENS PLAZA RESIDENTIAL DEVELOPMENT (Continued) **S108524793**

drinking water are not expected because this mixed industrial/residential neighborhood is served by public water. The new building proposed for the site will include a vapor barrier and sub-slab depressurization system to prevent exposures via vapor intrusion. Additionally, the site will be capped with asphalt and managed through the site management plan which minimizes the potential for direct contact with residual soil contamination.

W134 **EDR US Hist Cleaners** **1015031981**
NNE **2704 42ND RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1017 ft. **Site 1 of 4 in cluster W**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:

Name:	UTICA LAUNDRY CORP
Year:	2006
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2007
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2008
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2009
Address:	2704 42ND RD

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135 **GAP REALTY CO** **NY UST** **U000724472**
SW **45-56 PEARSON ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1019 ft.

Relative:
Lower

Actual:
9 ft.

UST:

Id/Status:	2-600746 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589134.61719000002
UTM Y:	4511015.4052200001
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	22724
Affiliation Type:	Facility Owner
Company Name:	MICHAEL GLUCK-GEN. PARTNER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY

GAP REALTY CO (Continued) **U000724472**

Zip Code:	11101
Country Code:	001
Phone:	(718) 361-2121
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	Mail Contact
Company Name:	GAP REALTY CO
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-2121
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	On-Site Operator
Company Name:	GAP REALTY CO
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 745-9682
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	Emergency Contact
Company Name:	MICHAEL GLUCK-GEN. PARTNER
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 745-9682
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

GAP REALTY CO (Continued) **U000724472**

Date Last Modified: 3/4/2004

Tank Info:

Tank Number: D1
Tank ID: 43537
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground

Tank Number: G1
Tank ID: 43535
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None

GAP REALTY CO (Continued) **U000724472**

H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: G2
Tank ID: 43536
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-600746
SPDES Number: Not reported
Emergency Contact: DOUG BEHRMANN
Emergency Telephone: (718) 745-9682
Operator: DOUG BEHRMANN
Operator Telephone: (718) 745-9682
Owner Name: MICHAEL GLUCK-GEN. PARTNER
Owner Address: 45-55 PEARSON ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 361-2121
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GAP REALTY CO
Mailing Address: 45-55 PEARSON ST
Mailing Address 2: Not reported

GAP REALTY CO (Continued) **U000724472**

Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	DOUG BEHRMANN
Mailing Telephone:	(718) 361-2121
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	45056 PEARSON ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	05/08/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	D1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

GAP REALTY CO (Continued) **U000724472**

Tank Id:	G1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	G2
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

W136 **ANOCA PLATING SERVICE CORP** **RCRA NonGen / NLR** **1000166062**
NNE **27-04 42ND RD** **FINDS** **NYD041565748**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.194 mi.
1024 ft. **Site 2 of 4 in cluster W**

Relative:
Higher

Actual:
18 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ANOCA PLATING SERVICE CORP
Facility address:	27-04 42ND RD LONG ISLAND CITY, NY 111014112
EPA ID:	NYD041565748
Mailing address:	42ND RD LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	42ND RD LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAMUEL HUREWITZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAMUEL HUREWITZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

ANOCA PLATING SERVICE CORP (Continued) **1000166062**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ANOCA PLATING SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ANOCA PLATING SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ANOCA PLATING SERVICE CORP
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/25/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004354341

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

137
NNE
1/8-1/4
0.194 mi.
1025 ft.

Relative:
Higher

Actual:
20 ft.

STAR JOURNAL BUILDING **NY AST** **A100296154**
42-26 28TH STREET **N/A**
LONG ISLAND CITY, NY 11101

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-607562
Program Type: PBS
UTM X: 589547.09658000001
UTM Y: 4511504.8855699999
Expiration Date: 2007/04/03
Site Type: Other

STAR JOURNAL BUILDING (Continued) **A100296154**

Affiliation Records:

Site Id:	29414
Affiliation Type:	Facility Owner
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42--46 28TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	Mail Contact
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	CHARLES M. FERTITTA
Address1:	42-26 28TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	On-Site Operator
Company Name:	STAR JOURNAL BUILDING
Contact Type:	Not reported
Contact Name:	RYES PYLON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	Emergency Contact
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	ROBERT FERTITTA

STAR JOURNAL BUILDING (Continued) **A100296154**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 746-2726
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	63193
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

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138 **CON EDISON MANHOLE 954** **RCRA NonGen / NLR** **1010326800**
South **47TH ST & SKILLMAN AVE** **NY MANIFEST** **NYP004143129**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1040 ft.

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/17/2006
Facility name:	CON EDISON MANHOLE 954
Facility address:	47TH ST & SKILLMAN AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYP004143129

CON EDISON MANHOLE 954 (Continued) **1010326800**

Mailing address:	4 IRVING PL, RM 828
	NEW YORK, NY 10003
Contact:	MICHAEL DAUGHTREY
Contact address:	4 IRVING PL, RM 828
	NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 580-8383
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	11/16/2006
Facility name:	CON EDISON MANHOLE 954
Site name:	CON EDISON
Classification:	Not a generator, verified

Date form received by agency:	11/15/2006
Facility name:	CON EDISON MANHOLE 954
Site name:	CON EDISON
Classification:	Unverified

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004143129
Country:	USA
Mailing Name:	CONSOLIDATAED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

CON EDISON MANHOLE 954 (Continued) **1010326800**

Document ID:	NYE1286631
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/24/2006
Trans1 Recv Date:	06/24/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/26/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004143129
Trans1 EPA ID:	12446JT
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00168
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2006

X139 **EDR US Hist Auto Stat** **1015488606**
North **4237 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1040 ft. **Site 1 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

EDR Historical Auto Stations:

Name:	BAGWIN BROTHERS SVC CTR INC
Year:	2010
Address:	4237 CRESCENT ST

X140 **BAGWIN BROTHERS SERVICE CENTER, INC.** **NY UST** **U004046068**
North **42-37 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1043 ft. **Site 2 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-609460 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589390.39372000005
UTM Y:	4511532.4145799996
Site Type:	Other

Affiliation Records:

Site Id:	31304
Affiliation Type:	Mail Contact
Company Name:	BAGWIN BROTHERS SERVICE CENTER INC
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	42-37 CHESCENT STREET

BAGWIN BROTHERS SERVICE CENTER, INC. (Continued) **U004046068**

Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	31304
Affiliation Type:	On-Site Operator
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/24/2009

Site Id:	31304
Affiliation Type:	Emergency Contact
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/24/2009

Site Id:	31304
Affiliation Type:	Facility Owner
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-37 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-5656

BAGWIN BROTHERS SERVICE CENTER, INC. (Continued) **U004046068**

EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/24/2009

Tank Info:

Tank Number: 001
Tank ID: 67522
Tank Status: A
Material Name: A
Capacity Gallons: 200
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LXZIELIN
Last Modified: 05/16/2012

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None

Y141 **EDR US Hist Auto Stat** **1015507532**
SSE **4620 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1043 ft. **Site 1 of 3 in cluster Y**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name: T & M AUTO SPECIALIST
Year: 2003
Address: 4620 27TH ST

Name: SKILLMAN AUTO INC
Year: 2004
Address: 4620 27TH ST

Name: LIC AUTO GROUP
Year: 2005
Address: 4620 27TH ST

X142 **EPPY PLATING** **RCRA NonGen / NLR** **1000440607**
North **42-40 CRESCENT ST** **FINDS** **NYD078517307**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1048 ft. **Site 3 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	EPPY PLATING
Facility address:	42-40 CRESCENT ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD078517307
Mailing address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

EPPY PLATING (Continued) **1000440607**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: EPPY PLATING
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: EPPY PLATING
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/09/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004370190

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Y143 **46-20 27TH STREET LLC** **NY AST** **A100183492**
SSE **46-20 27TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.199 mi.
1050 ft. **Site 2 of 3 in cluster Y**

Relative:
Lower

Actual:
13 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-606925
Program Type: PBS
UTM X: 589458.58097999997
UTM Y: 4510905.84301
Expiration Date: N/A
Site Type: Other

Affiliation Records:
Site Id: 28780
Affiliation Type: Mail Contact
Company Name: 46-20 27TH STREET LLC
Contact Type: Not reported

46-20 27TH STREET LLC (Continued) **A100183492**

Contact Name:	SHAHRAM NASSI
Address1:	54 EAST 11TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	On-Site Operator
Company Name:	46-20 27TH STREET LLC
Contact Type:	Not reported
Contact Name:	SHAHRAM NASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	Emergency Contact
Company Name:	46-20 27TH STREET LLC % SHAHRAM NASSI
Contact Type:	Not reported
Contact Name:	SHAHRAM NASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	Facility Owner
Company Name:	46-20 27TH STREET LLC % SHAHRAM NASSI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	54 EAST 11TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003

46-20 27TH STREET LLC (Continued) **A100183492**

Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Tank Info:

Tank Number:	001
Tank Id:	62051
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

I00 - Overfill - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
B00 - Tank External Protection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/2006
Register:	True
Modified By:	NRLOMBAR
Last Modified:	08/08/2007
Material Name:	Waste Oil/Used Oil

144
NW
1/8-1/4
0.202 mi.
1066 ft.

PARKING LOT **NY UST U001831742**
23-14 44TH ROAD **NY HIST UST N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-064319 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589101.66958999995
UTM Y:	4511360.8470999999
Site Type:	Other

Affiliation Records:

Site Id:	1335

PARKING LOT (Continued) **U001831742**

Affiliation Type:	Facility Owner
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	VICE PRESIDENT
Contact Name:	BRAIN M. MACDONALD
Address1:	23-14, 44TH RD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(212) 615-8027
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	Mail Contact
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O ALONSO ANDALKAR & KAHN
Address2:	920 BROADWAY, 16TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 598-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	On-Site Operator
Company Name:	PARKING LOT
Contact Type:	Not reported
Contact Name:	PERENIALLY GREEN, INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 615-8027
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	Emergency Contact
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	Not reported
Contact Name:	KEITH OWEN
Address1:	Not reported
Address2:	Not reported

PARKING LOT (Continued) **U001831742**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 248-4939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Tank Info:

Tank Number:	001
Tank ID:	2371
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1500
Install Date:	Not reported
Date Tank Closed:	01/01/1988
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	09/20/2005

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I00 - Overfill - None

Tank Number:	002
Tank ID:	2372
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1500
Install Date:	Not reported
Date Tank Closed:	01/01/1988
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN

PARKING LOT (Continued) **U001831742**

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 09/20/2005

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None

Tank Number: 003
Tank ID: 2373
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 01/01/1988
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 09/20/2005

Equipment Records:

H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-064319
SPDES Number: Not reported
Emergency Contact: ROBERT OUMANO
Emergency Telephone: (718) 784-1035
Operator: FRANCO-AMERICAN NOVELTY CO INC
Operator Telephone: (718) 784-1035

PARKING LOT (Continued) **U001831742**

Owner Name:	ROBERT OUMANO
Owner Address:	23-14 44TH ROAD
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 784-1035
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	CITICORP
Mailing Address:	23-14 44TH ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LON ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 784-1035
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	23014 44TH ROAD
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/14/1987
Expiration Date:	01/14/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	True
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported

PARKING LOT (Continued) **U001831742**

Dispenser: Gravity
Date Tested: Not reported
Next Test Date: 12/27/1987
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (gals): 1500
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: 12/27/1987
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (gals): 1500
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: 12/27/1987

PARKING LOT (Continued) **U001831742**

Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

X145 **EDR US Hist Auto Stat** **1015488529**
North **4235 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.203 mi.
1071 ft. **Site 4 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:

Name: MALTA COLLISION
Year: 2005
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2006
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2007
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2008
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2011
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2012
Address: 4235 CRESCENT ST

V146 **MTA NYCT - JACKSON & WEST SUBSTA SS 26** **RCRA-CESQG** **1001818289**
NE **28-20 JACKSON AVE** **FINDS** **NYR000078238**
1/8-1/4 **LONG ISLAND CITY, NY** **NJ MANIFEST**
0.208 mi. **NY MANIFEST**
1097 ft. **Site 2 of 2 in cluster V**

Relative:
Higher

Actual:
18 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Facility address: 28-20 JACKSON AVE
LONG ISLAND CITY, NY 11101
EPA ID: NYR000078238
Mailing address: BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Contact: WILLIAM JEHLE
Contact address: BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Contact country: US

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Contact telephone: (646) 252-3500
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/22/2000
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004557391

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code:	NJA5028151
EPA ID:	NYR000078238
Date Shipped:	09/13/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/13/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/13/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12170422
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NY MANIFEST:

EPA ID:	NYR000078238
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	EVA MOUSSA
Mailing Address:	2 BROADWAY 2ND FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-3789

Document ID:	NYB6716025
Manifest Status:	Not reported
Trans1 State ID:	57994JL
Trans2 State ID:	Not reported
Generator Ship Date:	08/19/2004
Trans1 Recv Date:	08/19/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/20/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000078238
Trans1 EPA ID:	NY0000148163
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	003

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NJA5028151
Manifest Status: Not reported
Trans1 State ID: S8424
Trans2 State ID: Not reported
Generator Ship Date: 09/13/2004
Trans1 Recv Date: 09/13/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/13/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000078238
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: NJD991291
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01200
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

X147 **EDR US Hist Auto Stat** **1015488482**
North **4233 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.209 mi.
1101 ft. **Site 5 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:

Name: NICK & CHARLIES AUTO REPAIR
Year: 1999
Address: 4233 CRESCENT ST

Name: NICK & CHARLIES AUTO REPAIR
Year: 2000
Address: 4233 CRESCENT ST

Name: JOHNS AUTO CTR
Year: 2001
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2002
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2003
Address: 4233 CRESCENT ST

Name: QUEEN PLAZA AUTO REPAIR
Year: 2004

(Continued) **1015488482**

Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2006
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2009
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INCORPORATED
Year: 2011
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2012
Address: 4233 CRESCENT ST

W148 **KOREA NEWS** **RCRA-SQG** **1000694281**
NNE **42-22 27TH ST** **FINDS** **NYD987005857**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.214 mi.
1128 ft. **Site 3 of 4 in cluster W**

Relative:
Higher

Actual:
19 ft.

RCRA-SQG:
Date form received by agency: 01/01/2007
Facility name: KOREA NEWS
Facility address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD987005857
Mailing address: 27TH ST
LONG ISLAND CITY, NY 11101
Contact: LEE KYUNG
Contact address: 27TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (212) 555-1212
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KOREA NEWS
Owner/operator address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 482-1111
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

KOREA NEWS (Continued) **1000694281**

Owner/operator name: KOREA NEWS
Owner/operator address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 482-1111
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KOREA NEWS
Classification: Small Quantity Generator

Date form received by agency: 06/12/1992
Facility name: KOREA NEWS
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 07/30/2010
Date achieved compliance: 08/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State

KOREA NEWS (Continued) **1000694281**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 07/30/2010
Date achieved compliance: 07/30/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 07/30/2010
Date achieved compliance: 08/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

KOREA NEWS (Continued) **1000694281**

Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 08/13/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 08/13/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 07/30/2010
Evaluation lead agency: State

FINDS:

Registry ID: 110004491292

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

KOREA NEWS (Continued) **1000694281**

NY MANIFEST:

EPA ID:	NYD987005857
Country:	USA
Mailing Name:	KOREA NEWS
Mailing Contact:	KOREA NEWS
Mailing Address:	42-22 27TH ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-1111

Document ID:	NJA1828461
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	940701
Trans1 Recv Date:	940701
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940706
Part A Recv Date:	Not reported
Part B Recv Date:	940715
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00988
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA2055469
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	950209
Trans1 Recv Date:	950209
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950209
Part A Recv Date:	Not reported
Part B Recv Date:	950222
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00988
Units:	P - Pounds
Number of Containers:	002

KOREA NEWS (Continued) **1000694281**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NJA2693878
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 961018
Trans1 Recv Date: 961018
Trans2 Recv Date: Not reported
TSD Site Recv Date: 961023
Part A Recv Date: 961106
Part B Recv Date: 961114
Generator EPA ID: NYD987005857
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00495
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA2521321
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 08690
Trans2 State ID: 00602
Generator Ship Date: 960726
Trans1 Recv Date: 960726
Trans2 Recv Date: 960730
TSD Site Recv Date: 960730
Part A Recv Date: Not reported
Part B Recv Date: 960821
Generator EPA ID: NYD987005857
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: NYD980769947
TSDF ID: NJD002182897
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00495
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA2221692
Manifest Status: Completed copy
Trans1 State ID: 08690

KOREA NEWS (Continued) **1000694281**

Trans2 State ID:	Not reported
Generator Ship Date:	960403
Trans1 Recv Date:	960403
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960411
Part A Recv Date:	960410
Part B Recv Date:	960426
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00495
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2085380
Manifest Status:	Completed copy
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	960503
Trans1 Recv Date:	960503
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960507
Part A Recv Date:	960509
Part B Recv Date:	960521
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00990
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA4013876
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	01/14/2002
Trans1 Recv Date:	01/14/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	NJD002182897

KOREA NEWS (Continued) **1000694281**

Trans2 EPA ID:	Not reported
TSDF ID:	08690
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00480
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC7197210
Manifest Status:	Not reported
Trans1 State ID:	NY83381JN
Trans2 State ID:	NJ044T465
Generator Ship Date:	02/19/2004
Trans1 Recv Date:	02/19/2004
Trans2 Recv Date:	02/24/2004
TSD Site Recv Date:	03/01/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYC7212148
Manifest Status:	Not reported
Trans1 State ID:	NY83318JN
Trans2 State ID:	Not reported
Generator Ship Date:	04/19/2004
Trans1 Recv Date:	04/19/2004
Trans2 Recv Date:	04/23/2004
TSD Site Recv Date:	04/29/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00700
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

KOREA NEWS (Continued) **1000694281**

Year: 2004

Document ID: NYC7247035
Manifest Status: Not reported
Trans1 State ID: NY55817L
Trans2 State ID: T465GLNJ
Generator Ship Date: 08/16/2004
Trans1 Recv Date: 08/16/2004
Trans2 Recv Date: 08/20/2004
TSD Site Recv Date: 08/30/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00800
Units: P - Pounds
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYC7248126
Manifest Status: Not reported
Trans1 State ID: NYAT8305
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/25/2004
Trans1 Recv Date: 10/25/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-09-10
Trans1 Recv Date: 2008-09-10

KOREA NEWS (Continued) **1000694281**

Trans2 Recv Date:	2008-09-16
TSD Site Recv Date:	2008-09-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124881SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	2008-02-28
TSD Site Recv Date:	2008-03-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083187SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

KOREA NEWS (Continued) **1000694281**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1600.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253079SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-03-21
Trans1 Recv Date:	2008-03-21
Trans2 Recv Date:	2008-04-04
TSD Site Recv Date:	2008-04-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported

KOREA NEWS (Continued) **1000694281**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124880SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	2008-02-28
TSD Site Recv Date:	2008-03-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083187SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

KOREA NEWS (Continued) **1000694281**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-09-10
Trans1 Recv Date: 2008-09-10
Trans2 Recv Date: 2008-09-16
TSD Site Recv Date: 2008-09-16
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: Not reported
Quantity: 900.0
Units: P - Pounds
Number of Containers: 3.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000124881SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H061

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-03-21
Trans1 Recv Date: 2008-03-21
Trans2 Recv Date: 2008-04-04
TSD Site Recv Date: 2008-04-04
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0

KOREA NEWS (Continued) **1000694281**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124880SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1600.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253079SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

KOREA NEWS (Continued) **1000694281**

Trans2 State ID:	OKD981588791
Generator Ship Date:	2008-11-05
Trans1 Recv Date:	2008-11-05
Trans2 Recv Date:	2008-11-12
TSD Site Recv Date:	2008-11-14
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124888SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
80 additional NY_MANIFEST: record(s) in the EDR Site Report.

W149 **KOREA NEWS** **NJ MANIFEST** **S109533774**
NNE **42-22 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND, NY 11101**
0.214 mi.
1128 ft. **Site 4 of 4 in cluster W**

Relative:
Higher

Actual:
19 ft.

NJ MANIFEST:

Manifest Code:	002592048SKS
EPA ID:	NYD987005857
Date Shipped:	11/4/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	11/4/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	11/14/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	800.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	002593605SKS
EPA ID:	NYD987005857
Date Shipped:	7/29/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/29/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	8/8/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	1,200.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	002595858SKS
EPA ID:	NYD987005857
Date Shipped:	9/6/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	9/6/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	9/15/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	400.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	000124881SKS
EPA ID:	NYD987005857
Date Shipped:	09/10/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/10/2008
Date Trans2 Transported Waste:	09/16/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/16/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	900
Unit:	P
Hand Code:	H061

Manifest Code:	000124880SKS
EPA ID:	NYD987005857
Date Shipped:	03/21/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/21/2008
Date Trans2 Transported Waste:	04/04/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/09/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	400
Unit:	P
Hand Code:	H061

X150 **EDR US Hist Cleaners** **1015059399**
North **4231 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.214 mi.
1131 ft. **Site 6 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:

Name:	CLEANING & RESTORATION
Year:	2003
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2004
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2005
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2006
Address:	4231 CRESCENT ST

151
NW
1/8-1/4
0.216 mi.
1142 ft.

BRANCO LEATHER INC
44-02 23RD ST
LONG ISLAND CITY, NY 11101

NY AST **U003384065**
NY HIST AST **N/A**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-081345
Program Type:	PBS
UTM X:	589109.69863
UTM Y:	4511409.3499100003
Expiration Date:	2012/03/24
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	1694
Affiliation Type:	Mail Contact
Company Name:	BRANCO LEATHER INC.
Contact Type:	Not reported
Contact Name:	BERNARDO DRUKER
Address1:	4402 23RD ST
Address2:	STUDIO #18 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-1401
EMail:	LICARTCENTER@AOL.COM
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	On-Site Operator
Company Name:	BRANCO LEATHER INC
Contact Type:	Not reported
Contact Name:	EDGAR PEREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	Emergency Contact
Company Name:	BERNARDO DRUKER
Contact Type:	Not reported
Contact Name:	EDGAR PEREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	Facility Owner
Company Name:	BERNARDO DRUKER
Contact Type:	PRESIDENT
Contact Name:	BERNARDO DRUKER
Address1:	44-02 23RD ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Tank Info:

Tank Number:	001
Tank Id:	2905
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F02 - Pipe External Protection - Original Sacrificial Anode
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel Tank in Concrete
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/15/1981
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	02/20/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-081345
SWIS Code:	6301
Operator:	EDGAR PEREZ
Facility Phone:	(718) 361-1114
Facility Addr2:	44002 23RD ST
Facility Type:	MANUFACTURING
Emergency:	EDGAR PEREZ
Emergency Tel:	(718) 361-1114
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BERNARDO DRUKER
Owner Address:	44-02 23RD ST
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 361-1114
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	BERNARDO DRUKER
Mailing Address:	44-02 23RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 361-1114
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/28/2001
Expiration:	03/24/2007
Renew Flag:	False
Renew Date:	11/13/2001
Total Capacity:	7500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

Capacity (Gal):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

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152 **SUBACCHI FURNITYRE-46-24 28TH ST** **RCRA-CESQG** **1000144031**
SSE **46-24 28TH STREET** **NY MANIFEST** **NYD045440997**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **US AIRS**
0.216 mi.
1143 ft.

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	SUBACCHI FURNITURE
Facility address:	46-24 28TH ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD045440997
Mailing address:	28TH ST LONG ISLAND CITY, NY 11101
Contact:	STEPHEN VOLPE
Contact address:	28TH ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 361-0551
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: STEPHEN VOLPE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEPHEN VOLPE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SUBACCHI FURNITURE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/02/1986
Facility name: SUBACCHI FURNITURE
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:
EPA ID: NYD045440997
Country: USA
Mailing Name: SUBACCHI FURNITURE
Mailing Contact: SUBACCHI FURNITURE
Mailing Address: 46-24 28TH STREET
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-361-0551

Document ID: NJA0381442
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880106
Trans1 Recv Date: 880106
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880106
Part A Recv Date: 880115
Part B Recv Date: 880114
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00135
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 88

Document ID: NJA0628795
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 890912
Trans1 Recv Date: 890912
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890912
Part A Recv Date: 890918
Part B Recv Date: 890922
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Quantity:	00160
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0629429
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891206
Trans1 Recv Date:	891206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891207
Part A Recv Date:	891211
Part B Recv Date:	891218
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0840449
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	900306
Trans1 Recv Date:	900306
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900306
Part A Recv Date:	900327
Part B Recv Date:	900402
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Document ID:	NJA0977216
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910115
Trans1 Recv Date:	910115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910115
Part A Recv Date:	910131
Part B Recv Date:	910212
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYH0127674
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2000
Trans1 Recv Date:	07/13/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PW8913
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0153108
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/26/2000
Trans1 Recv Date:	10/26/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/26/2000
Part A Recv Date:	Not reported

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

Document ID: NYH0152127
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/19/2000
Trans1 Recv Date: 10/19/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/19/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

Document ID: NJA0229734
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 860922
Trans1 Recv Date: 860922
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860923
Part A Recv Date: 860929
Part B Recv Date: 860930
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00115
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 86

Document ID: NJA0271998
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880620
Trans1 Recv Date: 880620
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880621
Part A Recv Date: 880628
Part B Recv Date: 880701
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00120
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 88

Document ID: NJA0297475
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880907
Trans1 Recv Date: 880907
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880907
Part A Recv Date: 880913
Part B Recv Date: 880913
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88

Document ID: NYB8311671
Manifest Status: Completed copy
Trans1 State ID: PD9938

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 State ID:	Not reported
Generator Ship Date:	961206
Trans1 Recv Date:	961206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961206
Part A Recv Date:	961230
Part B Recv Date:	961224
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	089
Year:	96

Document ID:	NYG0359217
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	03/04/1998
Trans1 Recv Date:	03/04/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/04/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NYH0371439
Manifest Status:	Not reported
Trans1 State ID:	62096PA
Trans2 State ID:	Not reported
Generator Ship Date:	07/12/2004
Trans1 Recv Date:	07/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/12/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 EPA ID: Not reported
TSDF ID: NYD082785
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYH0479835
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 01/11/2005
Trans1 Recv Date: 01/11/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/11/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: 70600JR
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported

Document ID: NJA0139770
Manifest Status: Completed copy
Trans1 State ID: S-10339
Trans2 State ID: Not reported
Generator Ship Date: 860623
Trans1 Recv Date: 860623
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860623
Part A Recv Date: 860701
Part B Recv Date: 860701
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00135
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Year: 86

Document ID: NJA0288027
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 870505
Trans1 Recv Date: 870505
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870505
Part A Recv Date: 870507
Part B Recv Date: 870512
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00140
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NJA0253789
Manifest Status: Completed copy
Trans1 State ID: DECAL#990
Trans2 State ID: Not reported
Generator Ship Date: 861203
Trans1 Recv Date: 861203
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861204
Part A Recv Date: 861209
Part B Recv Date: 861210
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 86

Document ID: NJA1009739
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900619
Trans1 Recv Date: 900619

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900619
Part A Recv Date:	900817
Part B Recv Date:	900627
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYG0021375
Manifest Status:	Completed copy
Trans1 State ID:	14467AK
Trans2 State ID:	Not reported
Generator Ship Date:	970318
Trans1 Recv Date:	970318
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970318
Part A Recv Date:	970325
Part B Recv Date:	970327
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	089
Year:	97

Click this hyperlink while viewing on your computer to access
24 additional NY_MANIFEST: record(s) in the EDR Site Report.

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110012644193
Plant name:	SUBACCHI FURNITYRE-46-24 28TH ST
Plant address:	46-24 28TH STREET LONG ISLAND CITY, NY 11101
County:	QUEENS
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2499

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Sic code desc: WOOD PRODUCTS, NEC
North Am. industrial classf: Not reported
NAIC code description: Not reported
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

Y153 **MICHELANGELO SCULPTURE** **RCRA NonGen / NLR** **1004761796**
SSE **27-01 47TH AVE** **FINDS** **NYR000090498**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.218 mi.
1151 ft. **Site 3 of 3 in cluster Y**

Relative:
Lower

Actual:
12 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: MICHELANGELO SCULPTURE
Facility address: 27-01 47TH AVE
LONG ISLAND CITY, NY 11101
EPA ID: NYR000090498
Mailing address: PRINCE ST
NEW YORK, NY 11012
Contact: DOMENICO RANIERI
Contact address: PRINCE ST
NEW YORK, NY 11012
Contact country: US
Contact telephone: (212) 982-5150
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DOMENICO RANIERI
Owner/operator address: 55 PRINCE ST
NEW YORK, NY 11012
Owner/operator country: US
Owner/operator telephone: (212) 982-5150
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: DOMENICO RANIERI
Owner/operator address: 55 PRINCE ST
NEW YORK, NY 11012
Owner/operator country: US
Owner/operator telephone: (212) 982-5150
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

MICHELANGELO SCULPTURE (Continued) **1004761796**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MICHELANGELO SCULPTURE
Classification: Not a generator, verified

Date form received by agency: 10/13/2000
Facility name: MICHELANGELO SCULPTURE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004565015

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000090498
Country: USA
Mailing Name: MICHELANGELO SCULPTURE
Mailing Contact: DOMENICO KANIERI
Mailing Address: 27-01 47TH AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-982-5150

MICHELANGELO SCULPTURE (Continued) **1004761796**

Document ID:	NYG1812807
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	10/20/2000
Trans1 Recv Date:	10/20/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/23/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000090498
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00450
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	080
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Z154 **MID TOWN OPERATING COMPANY TTF** **NY LTANKS** **S110140580**
NNW **42-50 24TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.222 mi.
1170 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	424084
Spill Number/Closed Date:	0911288 / 1/21/2010
Spill Date:	1/20/2010
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/20/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/20/2010

MID TOWN OPERATING COMPANY TTF (Continued) **S110140580**

Spill Record Last Update:	1/21/2010
Spiller Name:	RON SHERMAN
Spiller Company:	MID TOWN OPERATING COMPANY
Spiller Address:	42-50 24TH ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	999
Spiller Contact:	SHAWN KERRIGAN
Spiller Phone:	(610) 278-7203
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	373035
DEC Memo:	1/21/2010 Sangesland spoke to Shawn at Crompco. He said the tank failed a test yesterday and a spill report was called in. Today they isolated the tank and retested. He said the tank passed, but the "suction line inside the tank" failed. Sangesland asked Shawn to call back and talk directly to Jake Krimgold to determine if this can be closed out.1/21/10. J.Krimgold spoke to Shawn from Crompco. Agreed that the failure of the suction line inside the tank could not lead to a release. Case closed.
Remarks:	TANK TEST FAILURE ON A 4000 GALLON UST

Material:

Site ID:	424084
Operable Unit ID:	1179879
Operable Unit:	01
Material ID:	2173702
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AA155 **CITY SPORTS & GRAPHIC** **RCRA NonGen / NLR** **1000990064**
WSW **45-12 DAVIS ST** **FINDS** **NYR000000232**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.224 mi.
1182 ft. **Site 1 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CITY SPORTS & GRAPHIC
Facility address:	45-12 DAVIS ST LONG ISLAND CITY, NY 111014306
EPA ID:	NYR000000232
Mailing address:	DAVIS ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	DAVIS ST LONG ISLAND CITY, NY 11101
Contact country:	US

CITY SPORTS & GRAPHIC (Continued) **1000990064**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HYUNG HO KIM
Owner/operator address: 45-12 DAVIS ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-5240
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HYUNG HO KIM
Owner/operator address: 45-12 DAVIS ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-5240
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CITY SPORTS & GRAPHIC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: CITY SPORTS & GRAPHIC
Classification: Not a generator, verified

Date form received by agency: 02/22/1995
Facility name: CITY SPORTS & GRAPHIC

CITY SPORTS & GRAPHIC (Continued) **1000990064**

Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004511252

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AB156 **NYCT - FLUSHING AVENUE LINE (#7 LINE)** **RCRA-CESQG** **1005417217**
WSW **DAVIS & 23RD ST** **FINDS** **NYR000103416**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.224 mi.
1184 ft. **Site 1 of 2 in cluster AB**

Relative:
Lower

Actual:
12 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: NYCT - FLUSHING AVENUE LINE (#7 LINE)
Facility address: DAVIS & 23RD ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000103416
Mailing address: 370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
Contact: JOSEPHINE F BROWN
Contact address: 370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
Contact country: US
Contact telephone: (718) 243-4581
Contact email: JOBROWN4@NYCT.COM
EPA Region: 02
Land type: State
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1953
Owner/Op end date:	Not reported

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	2 BROADWAY 3RD FL
	NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	(646) 252-3500
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Classification:	Small Quantity Generator

Date form received by agency:	02/09/2004
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Classification:	Large Quantity Generator

Date form received by agency:	01/17/2002
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Site name:	MTA NYCT - FLUSHING LINE #7
Classification:	Large Quantity Generator

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Facility Has Received Notices of Violations:
- Regulation violated: SR - 371.1(f)(7)
- Area of violation: Listing - General
- Date violation determined: 01/24/2005
- Date achieved compliance: 05/23/2005
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 04/15/2005
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 01/24/2005
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Listing - General
- Date achieved compliance: 05/23/2005
- Evaluation lead agency: State

FINDS:

Registry ID: 110012193205

Environmental Interest/Information System

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HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
- EPA ID: NYR000103416
- Country: USA
- Mailing Name: NYC TR AUTHORITY CPM ENG
- Mailing Contact: ROY PARDEE JR.
- Mailing Address: 130 LIVINGSTON ST RM 8007
- Mailing Address 2: Not reported
- Mailing City: BROOKLYN
- Mailing State: NY
- Mailing Zip: 11201
- Mailing Zip4: Not reported
- Mailing Country: USA
- Mailing Phone: 718-694-1448

- Document ID: NYG3567303
- Manifest Status: Not reported
- Trans1 State ID: NYD077444263
- Trans2 State ID: Not reported

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Generator Ship Date:	12/24/2002
Trans1 Recv Date:	12/24/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	40579PANY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00030
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3329955
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2002
Trans1 Recv Date:	05/03/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/07/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01250
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3330009
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/08/2002
Trans1 Recv Date:	05/08/2002

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/10/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03000
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328461
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/08/2002
Trans1 Recv Date: 04/08/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/09/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3494178
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 09/20/2002
Trans1 Recv Date: 09/20/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/23/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1010NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Quantity:	07000
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3494241
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/2002
Trans1 Recv Date:	09/23/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1010NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	07000
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3388104
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/12/2002
Trans1 Recv Date:	06/12/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1011
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Document ID:	NYG3388203
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/2002
Trans1 Recv Date:	06/13/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02400
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3389859
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/28/2002
Trans1 Recv Date:	06/28/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3391623
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	08/06/2002
Trans1 Recv Date:	08/06/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/06/2002
Part A Recv Date:	Not reported

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: 68235AKNY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01500
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3391632
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 08/02/2002
Trans1 Recv Date: 08/02/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/06/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PP5193NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 02000
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328722
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/12/2002
Trans1 Recv Date: 04/12/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/17/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01200
Units: P - Pounds
Number of Containers: 003

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3388275
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 06/17/2002
Trans1 Recv Date: 06/17/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/18/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PP5193
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00650
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3330234
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 05/13/2002
Trans1 Recv Date: 05/13/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3331413
Manifest Status: Not reported
Trans1 State ID: NYD077444263

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 State ID:	Not reported
Generator Ship Date:	11/07/2002
Trans1 Recv Date:	11/07/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/08/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	40580PANY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03600
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3331485
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/30/2002
Trans1 Recv Date:	05/30/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/31/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02000
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3564504
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	11/26/2002
Trans1 Recv Date:	11/26/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/27/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 EPA ID: Not reported
TSDF ID: 40579PANY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 02900
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3331674
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 06/03/2002
Trans1 Recv Date: 06/03/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/04/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01500
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328857
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/16/2002
Trans1 Recv Date: 04/16/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/17/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 06000
Units: P - Pounds
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Year:	2002
Document ID:	NYG3328965
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	04/19/2002
Trans1 Recv Date:	04/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/23/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02700
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Click this hyperlink while viewing on your computer to access
74 additional NY_MANIFEST: record(s) in the EDR Site Report.

AB157 **MTA NYCT - COURT HOUSE SQ STA 45TH ROAD** **RCRA NonGen / NLR** **1004762726**
WSW **JACKSON AVE & 23RD ST** **FINDS** **NYR000099846**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.224 mi.
1184 ft. **Site 2 of 2 in cluster AB**

Relative:
Lower

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Facility address:	JACKSON AVE & 23RD ST 7 LINE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000099846
Mailing address:	BROADWAY 2ND FL NEW YORK, NY 10004
Contact:	WILLIAM JEHLE
Contact address:	BROADWAY 2ND FL NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3500
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	2 BROADWAY 2ND FL

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 2ND FL
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Classification: Not a generator, verified

Date form received by agency: 08/13/2001
Facility name: MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012235401

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

NY MANIFEST:

EPA ID:	NYR000099846
Country:	USA
Mailing Name:	NEW YORK CITY TRANSIT
Mailing Contact:	DERRICK MILLS
Mailing Address:	2 BROADWAY
Mailing Address 2:	ROOM A27.64
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-3500

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	2010-02-05
Trans1 Recv Date:	2010-02-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-02-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404900JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-28
Trans1 Recv Date:	2011-10-28

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1000.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000423270WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	220.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	440.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	55.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-10-09
Trans1 Recv Date:	2012-10-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008921406JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Mgmt Method Type Code: H111

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2012-10-09
Trans1 Recv Date: 2012-10-09
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-10-09
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000099846
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 60.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 008921406JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD046765574
Trans2 State ID: Not reported
Generator Ship Date: 2009-09-23
Trans1 Recv Date: 2009-09-23
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2009-09-23
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000099846
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 4.0

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000195120WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2010-11-30
Trans1 Recv Date:	2010-11-30
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-11-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000201878WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 State ID:	NYD986908085
Generator Ship Date:	2010-04-13
Trans1 Recv Date:	2010-04-13
Trans2 Recv Date:	2010-04-21
TSD Site Recv Date:	2010-04-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404361JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	2010-02-05
Trans1 Recv Date:	2010-02-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-02-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404900JJK
Import Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	55.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	220.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	440.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	NYG2972979
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	09/28/2001
Trans1 Recv Date:	09/28/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/18/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	0440465ME
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00800
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2008-10-10
Trans1 Recv Date:	2008-10-10
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-10-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000196588WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

AA158 **EDR US Hist Auto Stat** **1015502450**
WSW **4506 DAVIS ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1187 ft. **Site 2 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

EDR Historical Auto Stations:
Name: DAVIS ST AUTO REPAIR INC
Year: 2011
Address: 4506 DAVIS ST

Name: DAVIS ST AUTO REPAIR INC
Year: 2012
Address: 4506 DAVIS ST

AC159 **STANDARD FINISHING CO INC** **RCRA NonGen / NLR** **1001119285**
NW **43-10 23RD ST 2ND FLOOR** **NY MANIFEST** **NYR000025726**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **US AIRS**
0.225 mi.
1190 ft. **Site 1 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: STANDARD FINISHING CO INC
Facility address: 43-10 23RD ST 2ND FLOOR
LAT 4045 LONG 7356
LONG ISLAND CITY, NY 11101
EPA ID: NYR000025726
Mailing address: 23RD ST 2ND FLOOR
LAT 4045 LONG 7356
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 23RD ST 2ND FLOOR
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HOWARD HALPERN
Owner/operator address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-4700
Legal status: Private

STANDARD FINISHING CO INC (Continued) **1001119285**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HOWARD HALPERN
Owner/operator address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-4700
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: STANDARD FINISHING CO INC
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Facility name: STANDARD FINISHING CO INC
Classification: Small Quantity Generator

Date form received by agency: 06/18/1996
Facility name: STANDARD FINISHING CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000025726
Country: USA
Mailing Name: STANDARD FINISHING CO INC
Mailing Contact: HOWARD HALPERN
Mailing Address: 43-10 23RD STREET 2ND FLOOR
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported

STANDARD FINISHING CO INC (Continued) **1001119285**

Mailing Country: USA
Mailing Phone: 718-729-4700

Document ID: NJA2606604
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 2809
Trans2 State ID: Not reported
Generator Ship Date: 960625
Trans1 Recv Date: 960625
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960625
Part A Recv Date: 960715
Part B Recv Date: 960722
Generator EPA ID: NYR000025726
Trans1 EPA ID: NJD002454544
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00300
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00200
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Year: 96

Document ID: NYG0415098
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 03/10/1998
Trans1 Recv Date: 03/10/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/10/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000025726
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D001 - NON-LISTED IGNITABLE WASTES

STANDARD FINISHING CO INC (Continued) **1001119285**

Quantity: 00495
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NYG0582714
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 03/10/1998
Trans1 Recv Date: 03/10/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/10/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000025726
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00030
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

AIRS (AFS):

Airs Minor Details:
EPA plant ID: 110001583091
Plant name: STANDARD FINISHING CO INC
Plant address: 43-10 23RD STREET
LONG ISLAND CITY, NY 11101
County: QUEENS
Region code: 02
Dunn & Bradst #: 001233048

STANDARD FINISHING CO INC (Continued) **1001119285**

Air quality cntrl region: 043
Sic code: 2641
Sic code desc: PAPER COATING AND GLAZING (DISC. 1987, 2671 OR 2672)
North Am. industrial classf: 322222
NAIC code description: Coated and Laminated Paper Manufacturing
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

STANDARD FINISHING CO INC (Continued) **1001119285**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

AC160 **GRUBER DISPLAY COMPANY** **RCRA NonGen / NLR** **1000162507**
NW **43-10 23RD ST** **FINDS** **NYD002021103**
1/8-1/4 **LONG ISLAND CITY, NY**
0.225 mi.
1190 ft. **Site 2 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: GRUBER DISPLAY CO INC
Facility address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD002021103
Mailing address: 23RD ST
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 23RD ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

GRUBER DISPLAY COMPANY (Continued) **1000162507**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: GRUBER DISPLAY CO INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: GRUBER DISPLAY CO INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/31/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009464454

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AC161 **KASSABIAN REALTY LLC** **NY AST** **U003388914**
NW **43-10 23RD ST** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1190 ft. **Site 3 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-283339
Program Type:	PBS
UTM X:	589162.42394999997
UTM Y:	4511490.3652600003
Expiration Date:	2017/07/14
Site Type:	Other

Affiliation Records:

Site Id:	12505
Affiliation Type:	Facility Owner
Company Name:	KASSABIAN REALTY LLC
Contact Type:	MANAGER
Contact Name:	LEON KASSABIAN
Address1:	43-10 23RD ST
Address2:	Not reported
City:	LONG ISLAND
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	3/27/2007

Site Id:	12505
Affiliation Type:	Mail Contact
Company Name:	KASSABIAN REALTY LLC
Contact Type:	Not reported
Contact Name:	VASKEN KASSABIAN
Address1:	43-10 23RD ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/1/2012

Site Id:	12505
Affiliation Type:	On-Site Operator
Company Name:	KASSABIAN REALTY LLC
Contact Type:	Not reported
Contact Name:	LEON KASSABIAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

KASSABIAN REALTY LLC (Continued) **U003388914**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 784-7800
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 12505
Affiliation Type: Emergency Contact
Company Name: KASSABIAN REALTY LLC
Contact Type: Not reported
Contact Name: LEON KASSABIAN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 784-7800
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank Id: 14891
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/15/1985
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported

KASSABIAN REALTY LLC (Continued) **U003388914**

Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/01/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-283339
SWIS Code:	6301
Operator:	VASKEN KASSABIAN
Facility Phone:	(718) 784-7800
Facility Addr2:	43010 23RD ST
Facility Type:	MANUFACTURING
Emergency:	VASKEN KASSABIAN
Emergency Tel:	(718) 784-7800
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	KASSABIAN REALTY CO
Owner Address:	43-10 23RD ST
Owner City,St,Zip:	LONG ISLAND, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 784-7800
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	VASKEN KASSABIAN
Mailing Name:	KASSABIAN REALTY LLC
Mailing Address:	43-10 23RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 784-7800
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/07/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000

KASSABIAN REALTY LLC (Continued) **U003388914**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AC162 **IDEAL LABEL INC** **RCRA-CESQG 1001405121**
NW **43-10 23RD ST 2ND FLOOR** **NY MANIFEST NYR000065680**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1190 ft. **Site 4 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	IDEAL LABEL INC
Facility address:	43-10 23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000065680
Mailing address:	23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
Contact:	HERBERT BOOKBINDER
Contact address:	23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 729-8844
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

IDEAL LABEL INC (Continued) **1001405121**

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: LARRY LASSABIAN
Owner/operator address: 43-10 23RD ST 1ST FLOOR
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7800
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LARRY LASSABIAN
Owner/operator address: 43-10 23RD ST 1ST FLOOR
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7800
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: IDEAL LABEL INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/06/1999
Facility name: IDEAL LABEL INC
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP000862714
Country: USA
Mailing Name: ECLADOR INTERNATIONAL CORPORATION

IDEAL LABEL INC (Continued) **1001405121**

Mailing Contact:	ECLADOR INTERNATIONAL CORPORATION
Mailing Address:	43-10 23RD STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLANDCITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-0900

Document ID:	NYH0060435
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	12/21/1999
Trans1 Recv Date:	12/21/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0139932
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2000
Trans1 Recv Date:	10/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/19/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

IDEAL LABEL INC (Continued) **1001405121**

Document ID:	NYG1192284
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/1999
Trans1 Recv Date:	05/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0427752
Manifest Status:	Not reported
Trans1 State ID:	62096PA
Trans2 State ID:	Not reported
Generator Ship Date:	06/01/2004
Trans1 Recv Date:	06/01/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/01/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYH0507024
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2005
Trans1 Recv Date:	10/17/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2005
Part A Recv Date:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported

Document ID: NYH0306828
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 08/19/2002
Trans1 Recv Date: 08/19/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/19/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 23138PA
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYH0507024
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/17/2005
Trans1 Recv Date: 10/17/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/17/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002

IDEAL LABEL INC (Continued) **1001405121**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2005

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2009-10-21
Trans1 Recv Date:	2009-10-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-10-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002495049FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

IDEAL LABEL INC (Continued) **1001405121**

Document ID:	NYH0223452
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2001
Trans1 Recv Date:	10/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/24/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYH0343557
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/12/2003
Trans1 Recv Date:	05/12/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/12/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	23138PA
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2003

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

IDEAL LABEL INC (Continued) **1001405121**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYR000065680
Country:	USA
Mailing Name:	IDEAL LABEL INC
Mailing Contact:	NORA USSEGLIO
Mailing Address:	43-10 23RD ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	516-729-8844

Document ID:	NYH0060435
Manifest Status:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	12/21/1999
Trans1 Recv Date:	12/21/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0139932
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2000
Trans1 Recv Date:	10/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/19/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYG1192284
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/1999
Trans1 Recv Date:	05/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680

IDEAL LABEL INC (Continued) **1001405121**

Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYH0427752
Manifest Status: Not reported
Trans1 State ID: 62096PA
Trans2 State ID: Not reported
Generator Ship Date: 06/01/2004
Trans1 Recv Date: 06/01/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/01/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYH0507024
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/17/2005
Trans1 Recv Date: 10/17/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/17/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.

IDEAL LABEL INC (Continued) **1001405121**

Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYH0306828
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	08/19/2002
Trans1 Recv Date:	08/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/19/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	23138PA
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYH0507024
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2005
Trans1 Recv Date:	10/17/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	62096PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2005

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22

IDEAL LABEL INC (Continued) **1001405121**

Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2009-10-21
Trans1 Recv Date:	2009-10-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-10-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002495049FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

IDEAL LABEL INC (Continued) **1001405121**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	NYH0223452
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2001
Trans1 Recv Date:	10/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/24/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680

IDEAL LABEL INC (Continued) **1001405121**

Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2001

Document ID: NYH0343557
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 05/12/2003
Trans1 Recv Date: 05/12/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/12/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 23138PA
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2003

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: PAD982661381
Generator Ship Date: 2012-02-10
Trans1 Recv Date: 2012-02-10
Trans2 Recv Date: 2012-02-10
TSD Site Recv Date: 2012-02-17
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID040098352
Waste Code: Not reported
Quantity: 110.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 2.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.

IDEAL LABEL INC (Continued) **1001405121**

Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22

IDEAL LABEL INC (Continued) **1001405121**

Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AA163 **EDR US Hist Auto Stat** **1015504743**
SW **4557 DAVIS ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.226 mi.
1195 ft. **Site 3 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

EDR Historical Auto Stations:

Name:	BELLO LONG ISLAND CITY AUTO REPAIR INCORPORATED
Year:	1999
Address:	4557 DAVIS ST
Name:	BELLO LONG ISLAND CITY AUTO REPAIR INCORPORATED
Year:	2000
Address:	4557 DAVIS ST

AD164 **SCRIPTO EVERGLIDE** **RCRA NonGen / NLR** **1000260925**
ESE **29-10 THOMSON AVE** **FINDS** **NYD981086416**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.228 mi.
1204 ft. **Site 1 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SCRIPTO EVERGLIDE
Facility address:	29-10 THOMSON AVE LONG ISLAND CITY, NY 11101

SCRIPTO EVERGLIDE (Continued) **1000260925**

EPA ID: NYD981086416
Mailing address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SCRIPTO EVERGLIDE
Classification: Not a generator, verified

SCRIPTO EVERGLIDE (Continued) **1000260925**

Date form received by agency: 07/08/1999
Facility name: SCRIPTO EVERGLIDE
Classification: Not a generator, verified

Date form received by agency: 05/30/1985
Facility name: SCRIPTO EVERGLIDE
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/27/1984
Date achieved compliance: 05/29/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/29/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110009471687

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AD165 **LAGUARDIA COMMUNITY COLLEGE** **RCRA-CESQG** **1001090143**
ESE **29-10 THOMSON AVE** **NY MANIFEST** **NYR000019760**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY Spills**
0.228 mi.
1204 ft. **Site 2 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA-CESQG:

Date form received by agency:	02/01/2012
Facility name:	LAGUARDIA COMMUNITY COLLEGE
Facility address:	29-10 THOMSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000019760
Mailing address:	THOMSON AVE LONG ISLAND CITY, NY 11101
Contact:	PETER JAYASEKARA
Contact address:	THOMSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 482-5507
Contact email:	PJAYASEK@LAGCC.CUNY.EDU
EPA Region:	02
Land type:	Municipal
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	LAGUARDIA COMMUNITY COLLEGE
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	08/26/1998
Owner/Op end date:	Not reported

Owner/operator name:	CITY UNIVERSITY OF NEW YORK
Owner/operator address:	E 80TH ST NEW YORK, NY 10021
Owner/operator country:	US
Owner/operator telephone:	(212) 794-5735
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	08/26/1998
Owner/Op end date:	Not reported

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 02/14/1996
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Waste code: D005
Waste name: BARIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: B001
Waste name: B001

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/10/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:
EPA ID: NYD001726496
Country: USA
Mailing Name: SCRIPTO EVERGLIDE INCORPORATED
Mailing Contact: STANLEY KLEIN
Mailing Address: 29-10 THOMSON AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-784-7191

Document ID: NYB7595055
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 7946
Trans2 State ID: Not reported
Generator Ship Date: 960515
Trans1 Recv Date: 960515
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960520
Part A Recv Date: 960528
Part B Recv Date: 960614
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03100
Units: P - Pounds
Number of Containers: 031
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7595883
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945MN
Trans2 State ID: Not reported
Generator Ship Date: 960417
Trans1 Recv Date: 960417
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960422
Part A Recv Date: 960503
Part B Recv Date: 960523
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 02944
Units: P - Pounds
Number of Containers: 031
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00030
Units: P - Pounds
Number of Containers: 001
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Year: 96

Document ID: NYB7214283
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960619
Trans1 Recv Date: 960619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960621
Part A Recv Date: 960703
Part B Recv Date: 960725
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00180
Units: P - Pounds
Number of Containers: 006
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7597926
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960321
Trans1 Recv Date: 960321
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960325
Part A Recv Date: 960401
Part B Recv Date: 960417
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 036
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Document ID:	NYG2530881
Manifest Status:	Not reported
Trans1 State ID:	WID988566543
Trans2 State ID:	Not reported
Generator Ship Date:	09/19/2000
Trans1 Recv Date:	09/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/25/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	AZ0000337360
Trans2 EPA ID:	Not reported
TSDF ID:	WI010
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00545
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00424
Units:	P - Pounds
Number of Containers:	015
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2000

EPA ID:	NYR000019760
Country:	USA
Mailing Name:	LAGUARDIA COMMUNITY COLLEGE BLDG C
Mailing Contact:	JOHN BLAKE
Mailing Address:	29-10 THOMSONAVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	914-681-6384

Document ID:	NYB7595055
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	7946
Trans2 State ID:	Not reported
Generator Ship Date:	960515
Trans1 Recv Date:	960515
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960520
Part A Recv Date:	960528
Part B Recv Date:	960614
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	03100
Units:	P - Pounds
Number of Containers:	031
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB7595883
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7945MN
Trans2 State ID:	Not reported
Generator Ship Date:	960417
Trans1 Recv Date:	960417
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960422
Part A Recv Date:	960503
Part B Recv Date:	960523
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	02944
Units:	P - Pounds
Number of Containers:	031
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB7214283
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7945
Trans2 State ID:	Not reported
Generator Ship Date:	960619
Trans1 Recv Date:	960619
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960621
Part A Recv Date:	960703
Part B Recv Date:	960725
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00180
Units: P - Pounds
Number of Containers: 006
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7597926
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960321
Trans1 Recv Date: 960321
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960325
Part A Recv Date: 960401
Part B Recv Date: 960417
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 036
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYG2530881
Manifest Status: Not reported
Trans1 State ID: WID988566543
Trans2 State ID: Not reported
Generator Ship Date: 09/19/2000
Trans1 Recv Date: 09/19/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/25/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000019760
Trans1 EPA ID: AZ0000337360
Trans2 EPA ID: Not reported
TSDF ID: WI010
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00545
Units: P - Pounds

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00424
Units:	P - Pounds
Number of Containers:	015
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2000

SPILLS:

Facility ID:	1204466
DER Facility ID:	421726
Facility Type:	ER
Site ID:	467353
DEC Region:	2
Spill Date:	8/3/2012
Spill Number/Closed Date:	1204466 / 9/10/2012
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	8/3/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/3/2012
Spill Record Last Update:	9/10/2012
Spiller Name:	Not reported
Spiller Company:	LAGUARDIA COMMUNITY COLLEGE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	PETER JAYASEAARA
Contact Phone:	(347) 865-1291
DEC Memo:	8/6/12-Vought-Primary off-hours responder. Vought called Peter Jayaseaara (Ph:347-865-1291) and spoke to Joeseph who noted that that approximately 500 gallons of #2 fuel oil was released from a 200-gallon #2 fuel oil AST in a vault and that the oil was leaking out of secondary contaiment vault and was impacted a drain in the boiler room in sub-basement of LaGuardia Community College. Jayaseaara noted that FDNY Hazmat was on-scene and that he also called Triumvirate Inc (response company) and they were enroute to the site. Vought called RSE and DEC Demeo (secondary responder) who performed site visit. This spill assigned to Vought as Demeo not an option in UIS (as Demeo recently transferred). Spill to be

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

transferred to Demeo upon availability in UIS.8/8/12-Vought-Spill transferred from Vought to DEC Demeo as now available as PM in UIS.8/4/12 TJDRecall - 2K AST for emergency generator leaked from supply piping feeding 100 gallon day tank on roof of structure. Leaking piping was uncapped return line inside secondary containment. Estimated 1500 gallons of diesel fuel leaked inside secondary containment. Containment vault was not tight - allowed product to migrate into adjoining sub-basement rooms. Building personnel shut power to affected areas of building which shut down transfer pump to rooftop day tank. Drainage trenches in basement had minor impacts due to migration of product - prior to DEC arrival absorbents were put in place to prevent further migration of product to sump pit. Facility owner retained Triumvirate Environmental for emergency cleanup - they responded with vac truck and recovered seperate phase product from tank vault and affected adjoining rooms. DEC required trenches and sump pit to be cleaned prior to putting sump pump back in service. Needs follow-up inspection.8/7/12 TJDSite inspection. DEC was contacted by Laguardia College EH&S personnel requesting reinspection as cleanup was reported to have been completed and required repairs had been made. At time of inspection, DEC met with EH&S Manager (Michael Spath from CUNY) and Triumvirate Environmental personnel. All required cleanup actions have been completed - affected concrete surfaces, trenches and sump pit have been degreased and pressure washed. Standing water in trenches and sump pit appear free of seperate phase product and sheen. DEC authorized EH&S staff to return sump pump to service. As per Laguardia College personnel, 2K AST is to remain out of service as a determination is made regarding the need for this tank. Required cleanup actions have been completed. Awaiting closure documentation.9/10/12 TJDFile review. All required closure documentation has been received. A total of 6 drums (contaminated absorbents) and 5,237 gallons of oil/water mixture were recovered and properly disposed of as part of remedial process. No further action is required. Spill closed.

Remarks: 2251 THE CALLER STATED A REPORT OF A LARGE SPILL WAS CAUSED BY A FAILED UNIT. WATER WAS IMPACTED. THE SPILL IS NOT CONTAINED. THE CLEAN UP IS PENDING THE CALLERS ARRIVAL ON SCENE. THE CALLER WILL UPDATE NYSDEC UPON ARRIVAL.

Material:

Site ID:	467353
Operable Unit ID:	1217310
Operable Unit:	01
Material ID:	2215578
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	500
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AD166 **LAGUARDIA COMMUNITY COLLEGE** **NY AST** **A100294736**
ESE **29-10 THOMSON AVENUE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.228 mi.
1204 ft. **Site 3 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-609660
Program Type:	PBS
UTM X:	589698.54067999998
UTM Y:	4511012.1067199996
Expiration Date:	2015/04/13
Site Type:	School

Affiliation Records:

Site Id:	59011
Affiliation Type:	Mail Contact
Company Name:	LAGUARDIA COMMUNITY COLLEGE
Contact Type:	Not reported
Contact Name:	YURY FASTOVSKY
Address1:	31-10 THOMSON AVENUE
Address2:	ROOM MB 79
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-5582
EMail:	YFASTOVSKY@LAGCC.CUNY.EDU
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/1/2013

Site Id:	59011
Affiliation Type:	Emergency Contact
Company Name:	DASNY
Contact Type:	Not reported
Contact Name:	PUBLIC SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-5555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/3/2012

Site Id:	59011
Affiliation Type:	Facility Owner
Company Name:	DASNY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	515 BROADWAY, STE 100
Address2:	Not reported
City:	ALBANY

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

State: NY
Zip Code: 12207-2919
Country Code: 001
Phone: (518) 257-3000
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/3/2012

Site Id: 59011
Affiliation Type: On-Site Operator
Company Name: LAGUARDIA COMMUNITY COLLEGE
Contact Type: Not reported
Contact Name: YURY FASTOVSKY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 482-5582
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/1/2013

Tank Info:

Tank Number: C1
Tank Id: 179577
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - In Place
Pipe Model: Not reported
Install Date: 01/01/1972
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 09/27/2013

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/01/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	C2
Tank Id:	179578
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	01/01/1972
Capacity Gallons:	15000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/27/2013
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/01/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	C3
Tank Id:	179579
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

F01 - Pipe External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/03/2012
Material Name:	Diesel

Tank Number:	C4
Tank Id:	179603
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/03/2012
Material Name:	Diesel

AD167 **BURNHAM PRODUCTS CORP** **RCRA NonGen / NLR** **1000315395**
ESE **42-24 ORCHARD ST** **FINDS** **NYD001726496**
1/8-1/4 **LONG ISLAND CITY, NY**
0.228 mi.
1204 ft. **Site 4 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BURNHAM PRODUCTS CORP
Facility address:	42-24 ORCHARD ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD001726496
Mailing address:	ORCHARD ST LONG ISLAND CITY, NY 11101
Contact:	MURRAY BORENSTEIN
Contact address:	ORCHARD ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-7191
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SCRIPTO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SCRIPTO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

BURNHAM PRODUCTS CORP (Continued) **1000315395**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BURNHAM PRODUCTS CORP
Classification: Not a generator, verified

Date form received by agency: 03/12/1981
Facility name: BURNHAM PRODUCTS CORP
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009464409

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AE168 **OUTLET CITY INC** **RCRA-CESQG** **1000546989**
ENE **42-16 WEST ST** **FINDS** **NYD053174041**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY LTANKS**
0.230 mi. **NY MANIFEST**
1216 ft. **Site 1 of 2 in cluster AE** **NY Spills**

Relative: Higher

Actual: 16 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: OUTLET CITY INC
Facility address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD053174041
Mailing address: WEST ST
LONG ISLAND CITY, NY 11101
Contact: Not reported

OUTLET CITY INC (Continued) **1000546989**

Contact address: WEST ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: OUTLET CITY INC
Owner/operator address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 786-4500
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OUTLET CITY INC
Owner/operator address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 786-4500
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

OUTLET CITY INC (Continued) **1000546989**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: OUTLET CITY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2001
Facility name: OUTLET CITY INC
Site name: AKRF-MODELL'S OUTLET CITY, INC.
Classification: Large Quantity Generator

Date form received by agency: 07/14/1999
Facility name: OUTLET CITY INC
Classification: Small Quantity Generator

Date form received by agency: 07/16/1997
Facility name: OUTLET CITY INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 07/19/2000
Date achieved compliance: 10/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/01/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 10/16/2000
Evaluation lead agency: State

FINDS:

Registry ID: 110009467166

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

OUTLET CITY INC (Continued) **1000546989**

LTANKS:

Site ID:	254707
Spill Number/Closed Date:	9600688 / 5/27/2003
Spill Date:	3/26/1996
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/15/1996
CID:	365
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/15/1996
Spill Record Last Update:	4/8/2004
Spiller Name:	D. ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller County:	001
Spiller Contact:	R. PIERCE
Spiller Phone:	(201) 621-2230
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208621
DEC Memo:	Not reported
Remarks:	Contaminated water soil and groundwater were found during site assessment.

Material:

Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354084
Material Code:	0059A
Material Name:	SOLVENTS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354083
Material Code:	0057A

OUTLET CITY INC (Continued) **1000546989**

Material Name:	PESTICIDES
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354081
Material Code:	0018A
Material Name:	TAR
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354082
Material Code:	0056A
Material Name:	PAINT THINNERS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYD053174041
Country:	USA
Mailing Name:	OUTLET CITY INC
Mailing Contact:	SHARON
Mailing Address:	42-16 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-786-4500

Document ID:	NJA2758094
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPES58

OUTLET CITY INC (Continued) **1000546989**

Trans2 State ID:	Not reported
Generator Ship Date:	970627
Trans1 Recv Date:	970627
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970627
Part A Recv Date:	980317
Part B Recv Date:	980414
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D026 - CRESOL 200.0 MG/L TCLP
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7496208
Manifest Status:	Not reported
Trans1 State ID:	NYD980592570
Trans2 State ID:	NJD054126164
Generator Ship Date:	09/28/2000
Trans1 Recv Date:	09/28/2000
Trans2 Recv Date:	10/04/2000
TSD Site Recv Date:	10/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	OHD066060609
Trans2 EPA ID:	Not reported
TSDF ID:	14887AD
Waste Code:	D026 - CRESOL 200.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.10
Year:	2000

Document ID:	NJA1471371
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS699
Trans2 State ID:	Not reported
Generator Ship Date:	920618
Trans1 Recv Date:	920618
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920618
Part A Recv Date:	Not reported
Part B Recv Date:	920703
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJD980772768

OUTLET CITY INC (Continued) **1000546989**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03300
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	NYG0827694
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	31124MA
Trans2 State ID:	0027402
Generator Ship Date:	971217
Trans1 Recv Date:	971217
Trans2 Recv Date:	971219
TSD Site Recv Date:	971229
Part A Recv Date:	980108
Part B Recv Date:	980127
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	CTD982191942
TSDF ID:	OHD980681571
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	120
Year:	97

Document ID:	NJA3128296
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	06/07/1999
Trans1 Recv Date:	06/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S6993

OUTLET CITY INC (Continued) **1000546989**

Waste Code:	U051 - CREOSOTE
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

SPILLS:

Facility ID:	0301857
DER Facility ID:	208621
Facility Type:	ER
Site ID:	254706
DEC Region:	2
Spill Date:	5/21/2003
Spill Number/Closed Date:	0301857 / 5/27/2003
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	5/21/2003
CID:	205
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/21/2003
Spill Record Last Update:	5/27/2003
Spiller Name:	D. ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DEC / ANTHONY SIGONA ON SITE

Material:

Site ID:	254706
Operable Unit ID:	869876
Operable Unit:	01
Material ID:	506343
Material Code:	0180A
Material Name:	CREOSOTE
Case No.:	08001589
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons

OUTLET CITY INC (Continued) **1000546989**

Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254706
Operable Unit ID:	869876
Operable Unit:	01
Material ID:	506342
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9813882
DER Facility ID:	208621
Facility Type:	ER
Site ID:	308118
DEC Region:	2
Spill Date:	10/1/1998
Spill Number/Closed Date:	9813882 / 7/22/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4101
Investigator:	EXHAMPST
Referred To:	Not reported
Reported to Dept:	2/16/1999
CID:	366
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/16/1999
Spill Record Last Update:	7/22/2005
Spiller Name:	DAVID A ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	MARCUS SIMMONS
Contact Phone:	(212) 696-0670
DEC Memo:	7/22/05, Hampston: See also 9600688, 0301857. Site under VCA V00081 and listed as P site (2-41-020). UST removal as part of VCA in 2003. Site investigation/assessment continuing under VCA.
Remarks:	CALLER REPORTING THAT DURING SITE INVESTIGATION, MULTIPLE TYPES OF

OUTLET CITY INC (Continued) **1000546989**

HAZARDOUS MATERIALS WERE FOUND IN SOIL SAMPLES. REQ DEC FOLLOW UP.

Material:
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310593
Material Code: 0056A
Material Name: PAINT THINNERS
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310590
Material Code: 0018A
Material Name: TAR
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310592
Material Code: 0036B
Material Name: CARBOLIC ACID
Case No.: 00108952
Material FA: Hazardous Material
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310594
Material Code: 0057A
Material Name: PESTICIDES
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AE169 **OUTLET CITY INC** **NY UST** **U001836097**
ENE **42-16 WEST ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.230 mi.
1216 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
16 ft.

UST:

Id/Status:	2-237981 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589662.85900000005
UTM Y:	4511385.9358099997
Site Type:	Unknown

Affiliation Records:

Site Id:	8894
Affiliation Type:	Facility Owner
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-16 WEST ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(728) 786-4580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	Mail Contact
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	JOSEPH CONLEY
Address1:	42-16 WEST ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-4500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	On-Site Operator
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	NINO TASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

OUTLET CITY INC (Continued) **U001836097**

Zip Code:	Not reported
Country Code:	001
Phone:	(728) 786-4580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	Emergency Contact
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	JOSEPH CONLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 286-4588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	17346
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	7500
Install Date:	Not reported
Date Tank Closed:	08/01/1989
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

OUTLET CITY INC (Continued) **U001836097**

Tank Number: 002
Tank ID: 17347
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 7500
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

Tank Number: 003
Tank ID: 17348
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 10000
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping

OUTLET CITY INC (Continued) **U001836097**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 004
Tank ID: 17349
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 10000
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

HIST UST:
PBS Number: 2-237981
SPDES Number: Not reported
Emergency Contact: JOSEPH CONLEY
Emergency Telephone: (718) 286-4588
Operator: NINO TASSI
Operator Telephone: (728) 786-4580
Owner Name: OUTLET CITY INC
Owner Address: 42-16 WEST ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (728) 786-4580
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: OUTLET CITY INC
Mailing Address: 42-16 WEST ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: JOSEPH CONLEY
Mailing Telephone: (718) 786-4500
Owner Mark: First Owner

OUTLET CITY INC (Continued) **U001836097**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	42016 WEST ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/20/1987
Expiration Date:	07/20/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place

OUTLET CITY INC (Continued) **U001836097**

Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

OUTLET CITY INC (Continued) **U001836097**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

170
WNW
1/8-1/4
0.231 mi.
1221 ft.

GANDER & WHITE SHIPPING, INC. **NY UST** **U003065874**
21-44 44TH ROAD **NY HIST UST** **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-600010 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	588933.14479000005
UTM Y:	4511402.4546499997
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	22000
Affiliation Type:	Facility Owner
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	21-44 44TH RD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	Mail Contact
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Contact Name:	PAUL CANNON
Address1:	21-44 44TH ROAD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	On-Site Operator
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	PAUL CANNON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	Emergency Contact
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	PAUL CANNON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	39946
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	11/18/2002
Registered:	True

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 06/01/1998
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

HIST UST:
PBS Number: 2-600010
SPDES Number: Not reported
Emergency Contact: PAUL CANNON
Emergency Telephone: (718) 784-8444
Operator: PAUL CANNON
Operator Telephone: (718) 784-8444
Owner Name: GANDER & WHITE SHIPPING, INC.
Owner Address: 21-44 44TH RD
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 784-8444
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GANDER & WHITE SHIPPING, INC.
Mailing Address: 21-44 44TH RD
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: PAUL CANNON
Mailing Telephone: (718) 784-8444
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: Not reported
SWIS ID: 6301
Old PBS Number: Not reported
Facility Type: TRUCKING/TRANSPORTATION
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 01/04/1996
Expiration Date: 03/13/2001

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Renew Flag:	False
Renewal Date:	11/13/2001
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1998
Next Test Date:	06/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

AF171 **23-10 43TH AVE** **NY AST** **U003385771**
NNW **23-10 43TH AVE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.231 mi.
1222 ft. **Site 1 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158623
Program Type:	PBS
UTM X:	589184.83565999998
UTM Y:	4511487.3042900003
Expiration Date:	2018/02/03
Site Type:	Apartment Building/Office Building

Affiliation Records:

23-10 43TH AVE (Continued) **U003385771**

Site Id:	5319
Affiliation Type:	Facility Owner
Company Name:	LONG ISLAND CITY CENTER, LLC
Contact Type:	DIRECTOR OF SUSTAINABILITY
Contact Name:	ROBERT SALVATORE
Address1:	1212 AVENUE OF THE AMERICAS (C/O STAWKI PARTNERS)
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 697-8601
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	Mail Contact
Company Name:	SUN GARD AVAILABILITY SERVICES
Contact Type:	Not reported
Contact Name:	GLENN GORLICH
Address1:	777 CENTRAL BOULEVARD
Address2:	Not reported
City:	CARLSTADT
State:	NJ
Zip Code:	07072
Country Code:	001
Phone:	(201) 729-2422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	On-Site Operator
Company Name:	SUN GARD AVAILABILITY SERVICES
Contact Type:	Not reported
Contact Name:	PETER CECERE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 391-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	Emergency Contact
Company Name:	LONG ISLAND CITY CENTER, LLC
Contact Type:	Not reported
Contact Name:	SHARON REICHOLD
Address1:	Not reported

23-10 43TH AVE (Continued) **U003385771**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 391-4181
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Tank Info:

Tank Number:	TANK1
Tank Id:	8530
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

E01 - Piping Secondary Containment - Diking (Aboveground)
J07 - Dispenser - Loading Rack/Transfer Pump
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	TANK2
Tank Id:	219000
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating

23-10 43TH AVE (Continued) **U003385771**

J03 - Dispenser - Gravity
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	330
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	TANK3
Tank Id:	219001
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013

23-10 43TH AVE (Continued) **U003385771**

Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-158623
SWIS Code:	6301
Operator:	PETER CECERE
Facility Phone:	(718) 391-7000
Facility Addr2:	23010 43TH AVE
Facility Type:	OTHER
Emergency:	PETER CECERE
Emergency Tel:	(718) 391-7769
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	CORDISCO INC
Owner Address:	5851 WEST SIDE AVENUE
Owner City,St,Zip:	NORTH BERGEN, NJ 07047
Federal ID:	Not reported
Owner Tel:	(201) 295-4329
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MIKE DETORRES
Mailing Name:	CORDISCO INC
Mailing Address:	5851 WEST SIDE AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NORTH BERGEN, NJ 07047
Mailing Telephone:	(201) 869-8300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/04/2000
Expiration:	02/03/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0

23-10 43TH AVE (Continued) **U003385771**

Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Epoxy Liner
Pipe External:	00
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	6
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AF172 **EDR US Hist Auto Stat** **1015492607**
NNW **4309 23RD ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.233 mi.
1228 ft. **Site 2 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	JOE SAL AUTO BODY
Year:	2011
Address:	4309 23RD ST

AG173 **KRK EXPEDITING CO INC** **NY UST** **U000401652**
North **42-21 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.235 mi.
1241 ft. **Site 1 of 4 in cluster AG**

Relative:
Higher

Actual:
20 ft.

UST:

Id/Status:	2-303690 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589406.43241999997
UTM Y:	4511553.7025699997
Site Type:	Unknown

Affiliation Records:

Site Id:	13811
Affiliation Type:	Facility Owner
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-21 CRESCENT ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101

KRK EXPEDITING CO INC (Continued) **U000401652**

Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	Mail Contact
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-21 CRESCENT ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	On-Site Operator
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	KRK EXPEDITING CO INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	Emergency Contact
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	MR JOSEPH MCCARTHY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

KRK EXPEDITING CO INC (Continued) **U000401652**

Tank Info:

Tank Number:	001
Tank ID:	16224
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	03/01/1980
Date Tank Closed:	09/01/1991
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

AF174 **MTA NYCT - COURT SQUARE EFA LINE** **RCRA NonGen / NLR** **1004762640**
NNW **23RD ST & 43RD RD** **FINDS** **NYR000098988**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.236 mi.
1246 ft. **Site 3 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - COURT SQUARE EFA LINE
Facility address:	23RD ST & 43RD RD LONG ISLAND CITY, NY 11101
EPA ID:	NYR000098988
Mailing address:	BROADWAY 3RD FLOOR NEW YORK, NY 10004
Contact:	WILLIAM JEHLE
Contact address:	BROADWAY 3RD FLOOR NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3500
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

MTA NYCT - COURT SQUARE EFA LINE (Continued) **1004762640**

Owner/Operator Summary:
Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - COURT SQUARE EFA LINE
Classification: Not a generator, verified

Date form received by agency: 07/13/2001
Facility name: MTA NYCT - COURT SQUARE EFA LINE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110007905017

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MTA NYCT - COURT SQUARE EFA LINE (Continued) **1004762640**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AD175 **INTERNATIONAL DESIGN CENTER** **NY MANIFEST** **S106866721**
ESE **29-10 THOMPSON AVENUE** **NY Spills** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.236 mi.
1248 ft. **Site 5 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

NY MANIFEST:

EPA ID:	NYD986904100
Country:	USA
Mailing Name:	INTERNATIONAL DESIGN CENTER
Mailing Contact:	JOHN WRIGHT
Mailing Address:	29-10 THOMPSON AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2459

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0412340
DER Facility ID:	273172
Facility Type:	ER
Site ID:	337831
DEC Region:	2
Spill Date:	2/18/2005
Spill Number/Closed Date:	0412340 / 5/16/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2/18/2005
CID:	408
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/2005
Spill Record Last Update:	2/22/2008
Spiller Name:	JURGIS NEMICKS

INTERNATIONAL DESIGN CENTER (Continued) **S106866721**

Spiller Company:	LAGUARDIA COLLEGE
Spiller Address:	2910 THOMPSON AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	JURGIS NEMICKS
Contact Phone:	(718) 609-2556
DEC Memo:	3/3/05 - Austin - Received 2/23/05 correspondece from Testwell Labs regarding this spill - forwarded to Tipple - end3/4/05 Tipple reviewed submittal, called Charles Schnugg from Testwell Labs, Confirmed that when removing the Hydraulic oil, it would be skimmed from the top down to prevent additional smear of the oil.5/16/05 reviewed submittal, called and clarified details, all cleaned, NFA
Remarks:	ELEVATOR PISTON NEEDS TO BE REPLACED AND THE PRODUCT IS ELEVATOR HYDROLIC FLUID IS IN THE CASING. THERE IS ABOUT 110 GALLONS AND THE PIT 48 FEET DOWN. AND GROUNDWATER IS 15 FT. FROM THE BOTTOM OF TEH CASING. THE BOTTOM OF THE CASING IS NOT CLOSED OFF AND TEH WATER IS COMING INTO THE CASING. ALL THE FLUID IS ON TOP OF THIS WATER BUT IT HAS BEEN CONTAINED. VAC TRUCK IS BEING SCHEDULED.

Material:

Site ID:	337831
Operable Unit ID:	1099842
Operable Unit:	01
Material ID:	580119
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	110
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Z176 **MIDTOWN OPERATING CORP** **NY UST** **U001835096**
North **42-50 24TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.238 mi.
1258 ft. **Site 2 of 2 in cluster Z**

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-269336 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/07/10
UTM X:	589289.82622000005
UTM Y:	4511554.0727500003
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	11264
Affiliation Type:	Facility Owner
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	PRESIDENT

MIDTOWN OPERATING CORP (Continued) **U001835096**

Contact Name:	RONALD SHERMAN
Address1:	42-50 24TH ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/16/2008

Site Id:	11264
Affiliation Type:	Mail Contact
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	MR. RONALD SHERMAN
Address1:	42-50 24TH ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-2080
EMail:	RSTAXI2AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/17/2012

Site Id:	11264
Affiliation Type:	On-Site Operator
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	RON SHERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/10/2011

Site Id:	11264
Affiliation Type:	Emergency Contact
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	MR HUGH MCKEAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

MIDTOWN OPERATING CORP (Continued) **U001835096**

Country Code:	999
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/16/2008

Tank Info:

Tank Number:	001
Tank ID:	13604
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	04/01/1972
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	21
Date Test:	03/24/2011
Next Test Date:	03/24/2016
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	05/17/2012

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	002
Tank ID:	13605
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	07/01/1977
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

MIDTOWN OPERATING CORP (Continued) **U001835096**

Tightness Test Method: 21
Date Test: 03/24/2011
Next Test Date: 03/24/2016
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 05/17/2012

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None

Tank Number: 003
Tank ID: 13606
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 550
Install Date: 11/01/1961
Date Tank Closed: 01/24/2008
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 02/22/2008

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 004
Tank ID: 13607
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1080

MIDTOWN OPERATING CORP (Continued) **U001835096**

Install Date:	11/01/1961
Date Tank Closed:	01/24/2008
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	02/22/2008

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None

AH177 **GOTHAM CENTER TOWER B-2** **RCRA-LQG** **1012186279**
NNE **42-01 28TH STREET** **NYR000161406**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.242 mi.
1279 ft. **Site 1 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:

Date form received by agency:	04/16/2010
Facility name:	GOTHAM CENTER TOWER B-2
Facility address:	42-01 28TH STREET LONG ISLAND CITY, NY 11101
EPA ID:	NYR000161406
Mailing address:	ROCKEFELLER PLAZA 12TH FLOOR NEW YORK, NY 10111
Contact:	GEORGE HATZMANN
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 715-0528
Contact email:	GHATZMAN@TISHMANSPEYER.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

GOTHAM CENTER TOWER B-2 (Continued) **1012186279**

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LIC SITE B OWNER L.L.C. C/O TISHMAN SPE
Owner/operator address:	ROCKEFELLER PLAZA 12TH FLOOR
	NEW YORK, NY 10111
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY ECONOMIC DEVELOPMENT CORP
Owner/operator address:	WILLIAM ST
	NEW YORK, NY 10038
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	10/07/2008
Owner/Op end date:	Not reported

Owner/operator name:	LIC SITE B-2 OWNER LLC-C/O TISHMAN SPEYE
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Owner/operator name:	LIC SITE B OWNER L.L.C. C/O TISHMAN SPE
Owner/operator address:	ROCKEFELLER PLAZA 12TH FLOOR
	NEW YORK, NY 10111
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

GOTHAM CENTER TOWER B-2 (Continued) **1012186279**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/09/2009
Facility name: GOTHAM CENTER TOWER B-2
Site name: GOTHAM CENTER TOWER B-2
Classification: Large Quantity Generator

Date form received by agency: 12/17/2008
Facility name: GOTHAM CENTER TOWER B-2
Site name: GOTHAM CENTER TOWER B-2
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

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178 **EDR US Hist Auto Stat** **1015486495**
NNE **4206 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.243 mi.
1285 ft.

Relative:
Higher

Actual:
22 ft.

EDR Historical Auto Stations:
Name: AUTO EXPRESS
Year: 2002
Address: 4206 27TH ST

AH179 **NYC EDC - GOTHAM CENTER TOWER B-2** **NY MANIFEST** **S109826458**
NNE **42-01 28TH STREET** **NY Spills** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.244 mi.
1290 ft. **Site 2 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

NY MANIFEST:
EPA ID: NYR000161406
Country: USA
Mailing Name: NYC EDC - GOTHAM CENTER TOWER B-2
Mailing Contact: FUMILIO COPPARD
Mailing Address: 110 WILLIAM ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10038
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 858-251-9980

NYC EDC - GOTHAM CENTER TOWER B-2 (Continued) **S109826458**

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0902823
DER Facility ID:	364033
Facility Type:	ER
Site ID:	414887
DEC Region:	2
Spill Date:	6/9/2009
Spill Number/Closed Date:	0902823 / 9/7/2011
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	6/9/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/2009
Spill Record Last Update:	5/1/2012
Spiller Name:	LEE BENEDICT NYC ECONOMIC DEVELOPMENT CORP
Spiller Company:	OWNER OF THE PROPERTY
Spiller Address:	42-01 28TH ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	LEE BENEDICT NYC ECONOMIC DEVELOPMENT CORP
Contact Phone:	(212) 312-3623
DEC Memo:	Former 3 level municipal parking garage at corner of Jackson Ave and Queens Plaza South. Owner Contact: Lee Benedict - NYC Economic Development Corp. 212-312-3623Consultant Contact: Mohamed Ahmed - Fleming Lee Shue 212-675-322507/02/09 CSL was sent to NYC Economic Development Corp.110 William Street, 6th FloorNew York City, NY 10038Attn: Lee Benedict(sr)08/04/09 Rec'd letter requesting extension to perform subsurface investigation from Fleming Lee & Shue.(sr)12/17/09 Remedial Work Plan in file.STIP has been sent out for RP's signature.(sr)05/10/10 Work Plan dated Jan 06,2010 approved.(sr)09/07/11 Reviewing Investigation Summary Report prepared by Fleming Lee Shue. Investigation was performed in Nov/December 2010 to delineate the contamination found in proximity to the former filling station, to determine if the contamination had impacted the ground water beneath the site.Seventeen soil borings were advanced to depths ranging from 20 to 26 ft and three ground water monitoring wells were installed and sampled.Two wells were advanced downgradient and one well was advanced upgradient of the spill.VOCS in soil and ground water are slightly above the CP-51 guidance value.No further action required.Case closed.All reports are in edocs.(sr)** Spill

NYC EDC - GOTHAM CENTER TOWER B-2 (Continued) **S109826458**

closure letter issued and was sent toLIC Site B, L.L.C.C/O Tishman Speyer45 Rockefeller PlazaNew York, NY 10111Attention: Patrick Shiels&New York City Economic Development Corporation (NYCEDC)110 William Street, 6th FloorNew York, NY 10038.Attention: Kay Zias

Remarks: Clean up is pending. Soil will be excavated.

Material:

Site ID:	414887
Operable Unit ID:	1171259
Operable Unit:	01
Material ID:	2163051
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AI180 **ANTHONY CONCRETE** **NY CBS AST** **S102639396**
SSE **47-17 27TH ST** **NY CBS** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1293 ft. **Site 1 of 2 in cluster AI**

Relative:
Lower

Actual:
11 ft.

CBS AST:

CBS Number:	2-000181
ICS Number:	2-700754
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 729-4351
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	09/22/1997
Total Capacity of All Active Tanks(gal):	0
Operator:	LEE PRINCIPE
Emergency Contact:	CHARLES LUGINBILL
Emergency Phone:	(201) 933-8800
Owner Name:	SIKA CORPORATION
Owner Address:	201 POLITO AVE.
Owner City,St,Zip:	LYNDHURST, NJ 07071
Owner Telephone:	(201) 933-8800
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	SIKA CORPORATION
Mail Contact Addr:	201 POLITO AVE.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	CHARLES LUGINBILL
Mail Contact City,St,Zip:	LYNDHURST, NJ 07071
Mail Phone:	(201) 933-8800

ANTHONY CONCRETE (Continued) **S102639396**

Tank Id:	18011
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/85
Tank Closed:	00/00
Capacity (Gal):	275
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	09/22/1989
Certified Date:	08/31/1995
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	OTHER
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	06/07/93
Is It There:	False
Delinquent:	False
Date Expired:	09/22/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	06/06/1997

Tank Id:	18012
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/85
Tank Closed:	00/00
Capacity (Gal):	275
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None

ANTHONY CONCRETE (Continued) **S102639396**

Tank Error Status:	No Missing Data
Date Entered:	09/22/1989
Certified Date:	08/31/1995
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	OTHER
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	06/07/93
Is It There:	False
Delinquent:	False
Date Expired:	09/22/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	06/06/1997

CBS:

CBS Number:	2-000181
Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	589308.28916000
UTMY:	4510560.0018600

AI181 **FORDHAM ROAD CONCRETE** **NY UST** **U004118669**
SSE **47-17 27TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1293 ft. **Site 2 of 2 in cluster AI**

Relative:
Lower

Actual:
11 ft.

UST:

Id/Status:	2-610744 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2013/02/01
UTM X:	589308.28916000004
UTM Y:	4510560.0018600002
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	391815
Affiliation Type:	Facility Owner

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	PRESIDENT
Contact Name:	ARTHUR GEORGE REIS
Address1:	47-17 27TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 433-0111
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	11/6/2008

Site Id:	391815
Affiliation Type:	Mail Contact
Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	47-17 27TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 433-0111
EMail:	NYCONREADYMIX@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/4/2008

Site Id:	391815
Affiliation Type:	On-Site Operator
Company Name:	FORDHAM ROAD CONCRETE
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0111
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	11/6/2008

Site Id:	391815
Affiliation Type:	Emergency Contact
Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported

FORDHAM ROAD CONCRETE (Continued) **U004118669**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (917) 417-9474
EMail: Not reported
Fax Number: Not reported
Modified By: bkfalvey
Date Last Modified: 11/6/2008

Tank Info:

Tank Number: 001
Tank ID: 221027
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/1998
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number: 002
Tank ID: 221028
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 3000
Install Date: 02/01/1998
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Number: 003
Tank ID: 241665
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 2000
Install Date: 02/01/1985
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: 02/01/1995
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Tank Number:	004
Tank ID:	241666
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	02/01/1985
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	02/01/1995
Pipe Model:	Not reported
Modified By:	CGFREEDM
Last Modified:	09/17/2013

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K00 - Spill Prevention - None
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

AG182 **42-15 CRESENT ST** **NY HIST UST** **U001833283**
North **42-15 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 2 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

HIST UST:

PBS Number:	2-155969
SPDES Number:	Not reported
Emergency Contact:	ALAN KAHN
Emergency Telephone:	(212) 947-0155
Operator:	ALAN KAHN/GOE
Operator Telephone:	(718) 937-9611
Owner Name:	ALAN KAHN ASSOC.
Owner Address:	240 WEST 35TH STREET
Owner City,St,Zip:	NEW YORK, NY 10018
Owner Telephone:	(212) 947-0155
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	42-15 CRESCENT ST.
Mailing Address:	42-15 CRESCENT ST.
Mailing Address 2:	LONG ISLAND CITY
Mailing City,St,Zip:	NEW YORK, NY 11101
Mailing Contact:	SUPERINTENDENT OR MANAGER

42-15 CRESENT ST (Continued) **U001833283**

Mailing Telephone:	(718) 937-9611
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	42015 CRESCENT ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/12/1997
Expiration Date:	08/24/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	12000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AG183 **42-15 CRESENT ST** **NY AST** **A100298588**
North **42-15 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 3 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-155969
Program Type:	PBS
UTM X:	589412.74254999997
UTM Y:	4511562.54959
Expiration Date:	2017/08/24
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5081
Affiliation Type:	Facility Owner
Company Name:	ALAN KAHN ASSOC.
Contact Type:	AGENT
Contact Name:	ALAN KAHN
Address1:	123 WILLIAM ST 22ND FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 947-0155
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	Mail Contact
Company Name:	SUPERINTENDENT OR MANAGER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-15 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-4324
EMail:	AKAHNINC@AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	On-Site Operator
Company Name:	42-15 CRESENT ST
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

42-15 CRESENT ST (Continued) **A100298588**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-9611
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/19/2006

Site Id:	5081
Affiliation Type:	Emergency Contact
Company Name:	ALAN KAHN ASSOC.
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 571-7959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Tank Info:

Tank Number:	002
Tank Id:	212273
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/03/2006
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

42-15 CRESENT ST (Continued) **A100298588**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	06/19/2006
Material Name:	#6 Fuel Oil (On-Site Consumption)

AG184 **42-15 CRESENT ST** **NY UST** **U004076474**
North **42-15 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 4 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

UST:

Id/Status:	2-155969 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/08/24
UTM X:	589412.74254999997
UTM Y:	4511562.54959
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5081
Affiliation Type:	Facility Owner
Company Name:	ALAN KAHN ASSOC.
Contact Type:	AGENT
Contact Name:	ALAN KAHN
Address1:	123 WILLIAM ST 22ND FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 947-0155
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	Mail Contact
Company Name:	SUPERINTENDENT OR MANAGER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-15 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-4324
EMail:	AKAHNINC@AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	On-Site Operator

42-15 CRESENT ST (Continued) **U004076474**

Company Name:	42-15 CRESENT ST
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-9611
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/19/2006

Site Id:	5081
Affiliation Type:	Emergency Contact
Company Name:	ALAN KAHN ASSOC.
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 571-7959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Tank Info:

Tank Number:	001
Tank ID:	8473
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	12000
Install Date:	Not reported
Date Tank Closed:	05/30/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	06/19/2006

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

42-15 CRESENT ST (Continued) **U004076474**

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

AH185 **TWO GOTHAM CENTER** **NY AST** **A100356942**
NNE **42-09 28TH ST** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.245 mi.
1294 ft. **Site 3 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611586
Program Type:	PBS
UTM X:	589568.73852000001
UTM Y:	4511513.9805899998
Expiration Date:	2014/08/07
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	449064
Affiliation Type:	Facility Owner
Company Name:	LIC SITE B-2 OWNER,LLC
Contact Type:	MGR
Contact Name:	LAWRENCE J. SPAHN
Address1:	42-09 28TH ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-4500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/12/2011

Site Id:	449064
Affiliation Type:	Mail Contact
Company Name:	TISHMAN SPEYER
Contact Type:	Not reported
Contact Name:	LAWRENCE J. SPAHN
Address1:	42-09 28TH ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-4500
EMail:	Not reported
Fax Number:	Not reported

TWO GOTHAM CENTER (Continued) **A100356942**

Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Site Id: 449064
Affiliation Type: On-Site Operator
Company Name: TWO GOTHAM CENTER
Contact Type: Not reported
Contact Name: LAWRENCE J. SPAHN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 361-4500
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Site Id: 449064
Affiliation Type: Emergency Contact
Company Name: LIC SITE B-2 OWNER,LLC
Contact Type: Not reported
Contact Name: PAUL SCIALLIS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 652-9924
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Tank Info:

Tank Number: C617796
Tank Id: 239265
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

TWO GOTHAM CENTER (Continued) **A100356942**

F05 - Pipe External Protection - Jacketed

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/07/2009
Capacity Gallons:	13000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/12/2011
Material Name:	#2 Fuel Oil (On-Site Consumption)

186
North
1/8-1/4
0.246 mi.
1298 ft.

Relative:
Higher

Actual:
18 ft.

CON ED - V 7677 **RCRA NonGen / NLR** **1007206106**
W/S 24 ST/42 RD **NYP004003646**
ASTORIA, NY 11105

RCRA NonGen / NLR:

Date form received by agency:	02/28/1998
Facility name:	CON ED - V 7677
Facility address:	W/S 24 ST/42 RD ASTORIA, NY 111050000
EPA ID:	NYP004003646
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PL RM 310 NEW YORK, NY 100030000
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON ED - V 7677 (Continued) **1007206106**

Historical Generators:
Date form received by agency: 02/27/1998
Facility name: CON ED - V 7677
Classification: Not a generator, verified

Date form received by agency: 02/26/1998
Facility name: CON ED - V 7677
Classification: Large Quantity Generator

Violation Status: No violations found

AD187 **EDR US Hist Cleaners** **1015061951**
ESE **4420 30TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.248 mi.
1310 ft. **Site 6 of 6 in cluster AD**

Relative: Higher

Actual: 30 ft.

EDR Historical Cleaners:
Name: FRESH LOOK LAUNDROMAT INC
Year: 2006
Address: 4420 30TH ST

Name: FRESH LOOK LAUNDROMAT INC
Year: 2007
Address: 4420 30TH ST

AJ188 **ON SIDEWALK** **NY LTANKS** **S105995094**
SSW **47-15 PEARSON PL** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.263 mi.
1389 ft. **Site 1 of 2 in cluster AJ**

Relative: Higher

Actual: 16 ft.

LTANKS:
Site ID: 287873
Spill Number/Closed Date: 0110585 / 7/31/2003
Spill Date: 2/5/2002
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: MXTIPPLE
Referred To: Not reported
Reported to Dept: 2/5/2002
CID: 397
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2/5/2002
Spill Record Last Update: 7/31/2003
Spiller Name: CALLER
Spiller Company: BRIDGE TRANSPORTATION

ON SIDEWALK (Continued) **S105995094**

Spiller Address:	176 27TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	233188
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"7/31/2003 tipple updating//sidewalk has been cleaned.//nfa
Remarks:	DRIVER OVERFILLED THE TANK

Material:

Site ID:	287873
Operable Unit ID:	849053
Operable Unit:	01
Material ID:	528206
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	12
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

189
NE
1/4-1/2
0.268 mi.
1416 ft.

Relative: Higher

Actual: 22 ft.

OUTLET CITY, QUEENS BLVD. & JACKSON AVE. **NY VCP** **S105684691**
QUEENS BLVD. & JACKSON AVE., L.I.C. **N/A**
LONG ISLAND CITY, NY 11101

VCP:

Program Type:	VCP
Site Code:	58261
HW Code:	V00081
Site Class:	A
SWIS:	4101
Region:	2
Town:	New York City
Acres:	2.500
Date Record Added:	11/30/2000
Date Record Updated:	11/16/2012
Updated By:	JAMORAS
Site Description:	Location: The site is located in Queens County, on Jackson Ave between Orchard Street to the east, Queens Blvd. to the west and Long Island Railroad yard to the south. The G-Train runs underneath Jackson Avenue bordering the site to the north. The nearest residential structure is located approximately 100ft to the west across Orchard street. Site Features: This 2.5 acre site consists of 12 multi-story buildings and associated parking area located in a congested commercial/industrial area of Queens County. The only occupied structure on-site is a NYC Transit Authority building.

OUTLET CITY, QUEENS BLVD. & JACKSON AVE. (Continued) **S105684691**

Current Zoning/Uses(s): The current zoning at the site is Industrial and Retail. The surrounding area is zoned Special Long Island City Mixed Use District (LIC) and is a longstanding mix of residential, commercial, industrial and cultural uses at varying densities.Historical Uses: The site had formerly been used for chemical manufacturing. From 1901-1978, West Chemical Co. owned the property and manufactured commercial and disinfectant products such as disinfectants, insecticides, soaps, floor wax, and paper products dispensing machines. Manufacturing operations employed various chemical substances including creosote, coal and acids, cresylic acids, degreasing solvents, iodine, and assorted oils and pesticides. Metal plating and gasoline filling operations were also conducted at the property. In 11/78, Outlet City acquired title to the property from West Chemical. During Outlet City's ownership, a flea market and various vendor operations have been conducted at the property. The site is being investigated under the Voluntary Cleanup Program (VCP) under a 1997 agreement. Previous investigations in the late 1980's and early 1990's led to the property entering the VCP.Site Geology and Hydrogeology: Site geology consists of mostly sand at varying depths due to presence of shallow bedrock. Groundwater is approximately 8 -10ft below grade

Env Problem: Nature and Extent of Contamination: The site is contaminated with creosote, petroleum, and solvents. Both soil and groundwater are affected. The majority of the contamination is located in Areas D and E where Creosote in the form of both LNAPL (Light Non-Aqueous Phase Liquid) and DNAPL (Dense Non-Aqueous Phase Liquid) is present. LNAPL in Area D & E ranges from 0 - 6ft.Total on-site VOCs (Volatile Organic Compounds) including both chlorinated hydrocarbons and petroleum constituents are present in groundwater from non-detect - 30,000ppb. Total on-site SVOCs (Semi-Volatile Organic Compounds) are present in groundwater from non-detect to over 100,000ppb. An off-site investigation has not been completed at this site. A ventilation IRM is in place in the basement of building No. 4, where creosote LNAPL enters the basement during large rain events. The ventilation system was designed and installed in 2004. The ventilation system was started up on June 8, 2004. The final engineering report for this IRM was approved in September 2006. Bi-annual air testing is collected to evaluate the effectiveness of the ventilation IRM.

Health Problem: Exposures to contaminated groundwater is not expected because the area is served by public water. Soils contaminated with etrachloroethene are beneath the site, however, exposure to this soil is not expected because the site is capped with asphalt. Indoor air samples collected in a portion of the on-site building contained levels of tetrachloroethene that exceeded the New York State Department of Health Guideline for tetrachloroethene in Indoor Air. NYSDOH and NYSDEC will evaluate the need for additional investigations to determine the potential for soil vapor intrusion into structures near the site.

AJ190 **J MANHEIMER INC** **NY LTANKS** **U001837339**
SSW **47-22 PEARSON PL** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.275 mi. **NY Spills**
1452 ft. **Site 2 of 2 in cluster AJ**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	174994
Spill Number/Closed Date:	9206718 / 7/29/1993
Spill Date:	9/10/1992
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	7/29/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	9/10/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/14/1992
Spill Record Last Update:	7/29/1993
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	147125
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BATTSTA"07/29/93: AIR TEST PASSED PRECISION RETEST WITH WATER PASSED CLOSED IN PLACE WITH FOAM SEE K ODOWDS LETTER 4722P.
Remarks:	TO PUMP TANK OUT & INVEST POLL AIR POCKET.

Material:

Site ID:	174994
Operable Unit ID:	970511
Operable Unit:	01
Material ID:	407415
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

J MANHEIMER INC (Continued) **U001837339**

Tank Test:
- Site ID: 174994
- Spill Tank Test: 1540542
- Tank Number: Not reported
- Tank Size: 0
- Test Method: 00
- Leak Rate: 0
- Gross Fail: Not reported
- Modified By: Spills
- Last Modified: 10/1/2004
- Test Method: Unknown

UST:
- Id/Status: 2-369810 / Unregulated
- Program Type: PBS
- Region: STATE
- DEC Region: 2
- Expiration Date: N/A
- UTM X: 589268.80539999995
- UTM Y: 4510740.7940800004
- Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
- Site Id: 18654
- Affiliation Type: Facility Owner
- Company Name: J MANHEIMER INC
- Contact Type: Not reported
- Contact Name: Not reported
- Address1: 47-22 PEARSON PL
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11101
- Country Code: 001
- Phone: (718) 392-7800
- EMail: Not reported
- Fax Number: Not reported
- Modified By: CGFREEDM
- Date Last Modified: 12/14/2004

- Site Id: 18654
- Affiliation Type: Mail Contact
- Company Name: J MANHEIMER INC
- Contact Type: Not reported
- Contact Name: MICHAEL I. LONDNER
- Address1: 47-22 PEARSON PL
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11101
- Country Code: 001
- Phone: (718) 392-7800
- EMail: Not reported
- Fax Number: Not reported
- Modified By: CGFREEDM
- Date Last Modified: 12/14/2004

J MANHEIMER INC (Continued) **U001837339**

Site Id:	18654
Affiliation Type:	On-Site Operator
Company Name:	J MANHEIMER INC
Contact Type:	Not reported
Contact Name:	J MANHEIMER INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 392-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18654
Affiliation Type:	Emergency Contact
Company Name:	J MANHEIMER INC
Contact Type:	Not reported
Contact Name:	MICHAEL I. LONDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 368-4906
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	21329
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	5000
Install Date:	12/01/1940
Date Tank Closed:	08/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	10
Date Test:	07/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

J MANHEIMER INC (Continued) **U001837339**

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H03 - Tank Leak Detection - Vapor Well

NY MANIFEST:

EPA ID:	NYD980781322
Country:	USA
Mailing Name:	SHOWMAN FABRICATORS INC
Mailing Contact:	ED MARRERO
Mailing Address:	47-22 PEARSON PLACE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-392-7800

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	8900343
DER Facility ID:	147125
Facility Type:	ER
Site ID:	174993
DEC Region:	2
Spill Date:	4/12/1989
Spill Number/Closed Date:	8900343 / 4/26/1989
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/12/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	4/26/1989
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/1989
Spill Record Last Update:	5/27/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported

J MANHEIMER INC (Continued) **U001837339**

Spiller City,St,Zip: ***Update***, ZZ
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Not reported
Remarks: VALVE ACCIDENTLY OPENED, SPILL INITIALLY ON CONCRETE FLOOR, THEN RAN TO GROUND OUTSIDE.

Material:
Site ID: 174993
Operable Unit ID: 926745
Operable Unit: 01
Material ID: 451684
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 250
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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191 WNW 1/4-1/2 0.280 mi. 1476 ft. **CONDEA SUPPLY CORP** **NY LTANKS** **U003241856**
21-21 44TH RD **N/A**
LONG ISLAND CITY, NY

Relative: Higher

Actual: 16 ft.

LTANKS:
Site ID: 59951
Spill Number/Closed Date: 0306979 / 6/21/2006
Spill Date: 10/2/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: HRPATEL
Referred To: Not reported
Reported to Dept: 10/2/2003
CID: 257
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 10/2/2003
Spill Record Last Update: 6/21/2006
Spiller Name: MICHAEL MIAO
Spiller Company: CONDEA SUPPLY CORP
Spiller Address: 21-21 44TH RD

CONDEA SUPPLY CORP (Continued) **U003241856**

Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	MICHAEL MIAO
Spiller Phone:	(718) 392-3232
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58600
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"Sent TTF letter05/22/06-Hiralkumar Patel. Left message for Jim at Protest.06/21/06-Hiralkumar Patel. Visited site. manager gave me tank test result. test done on 11/11/2003 and whole system passed test. loose manhole cover was reason behind failure first time.based on available information, case is closed.
Remarks:	Not reported

Material:

Site ID:	59951
Operable Unit ID:	875736
Operable Unit:	01
Material ID:	500576
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

192
NNE
1/4-1/2
0.302 mi.
1592 ft.

FALIDAS ASSCOCIATES
25-01 QUEENS PLAZA N
LONG ISLAND CITY, NY 11101

RCRA-CESQG **1007264881**
NY LTANKS **NYR000123547**
NY MANIFEST
NJ MANIFEST

Relative:
Higher

Actual:
25 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	FALIDAS ASSCOCIATES
Facility address:	25-01 QUEENS PLAZA N LONG ISLAND CITY, NY 11101
EPA ID:	NYR000123547
Mailing address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Contact:	GEORGE V FALIDAS
Contact address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 392-0514
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

FALIDAS ASSCOCIATES (Continued) **1007264881**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	FALIDAS ASSOCIATES
Owner/operator address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 392-0514
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/04/1984
Owner/Op end date:	Not reported

Owner/operator name:	GEORGE FALIDAS
Owner/operator address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 392-0514
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	04/04/1984
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	FALIDAS ASSCOCIATES
Classification:	Conditionally Exempt Small Quantity Generator

FALIDAS ASSCOCIATES (Continued) **1007264881**

Date form received by agency: 03/30/2004
Facility name: FALIDAS ASSCOCIATES
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

LTANKS:
Site ID: 237933
Spill Number/Closed Date: 8905133 / 11/19/1992
Spill Date: 8/23/1989
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 11/19/1992
Cleanup Meets Standard: False
SWIS: 4101
Investigator: BATTISTA
Referred To: Not reported
Reported to Dept: 8/23/1989
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/6/1989
Spill Record Last Update: 1/7/2004
Spiller Name: Not reported
Spiller Company: FALIDAS ASSOCIATES
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 195968
DEC Memo: Not reported
Remarks: 5K TANK FAILED HORNER EZY CHECK, STOPPED TEST, MANHOLE LEAKING, WILL REPLACE GASKET & RETEST.

Material:
Site ID: 237933
Operable Unit ID: 930454
Operable Unit: 01
Material ID: 445573
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

FALIDAS ASSCOCIATES (Continued) **1007264881**

Tank Test:

Site ID:	237933
Spill Tank Test:	1535902
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	66252
Spill Number/Closed Date:	0305348 / 5/21/2007
Spill Date:	8/1/2003
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	rvketani
Referred To:	Not reported
Reported to Dept:	8/20/2003
CID:	216
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/20/2003
Spill Record Last Update:	5/21/2007
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	GEORGE FALIDAS
Spiller Phone:	(718) 392-0514
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	63466
DEC Memo:	On 7/14/05, J Peck called RIR Com. Cynthia Roby doesn't work there now. Left mesasage to return call concerning spill. Could not determine owner of property from Property Shark or Acris. Called George Falidas on 7/14/05, left message to call back. On 1/19/05, reattempted to determine owner of property. No success. 3/30/07 - Austin - Trasferred to Ketani for further review - end5/21/07 - Raphael Ketani. I reactiviated the case today. There was very little in the case file. Some printed pages for spill #0305345 (which doesn't pertain to the case, except the memo from Mr. Sigona to Mr. Hassan), an 11/7/05 letter from Joseph Peck of DEC to George Faildas regarding the spill, printouts from Google Earth and Property Shark, and a printout of the spill report for this case.I did a search of

FALIDAS ASSCOCIATES (Continued) **1007264881**

ACRIS, the NYC Property Tax database, and Property Shark and determined that 25-15 Queens Plaza North is just one part of the range of properties (25-01 to 25-27 Queens Plaza North) owned by Falidas Associates. It is also known by Bridge Plaza North. The block and lot are: 00415 and 0004. I called up George Falidas (718) 392-0514 of Falidas Associates and was connected to his brother, John Falidas.I made a field visit and met John Falidas. He showed me the basement of one of the properties owned by Falidas Associates and which is near to where the tank failed 2 buildings away. We entered a work room rented by a garment making company. The floor and walls and bathroom were clean. There were no signs of oil and no oil odors. Mr. Falidas said that he had paid lots of money to get the oil cleaned up years ago and the responsible party never paid anything to him. Mr. Falidas had a package of documents from the EPA and the DEC and showed them to me. These were the RCRA Subtitle C Site Identification Form, letters from South Mall Analytical Labs to PTC, and a DEC Spill Report. He gave me copies of these documents. I was particularly interested in the old DEC spill report form as this document wasn't in the case file.Next, I visited the 2 story building between Mr. Falidas' building and the site of origin of the spill. I met Sandro Cestaro of Atlantic Precious Metal Casting, Inc. (718) 937-7100. He showed me his basement. There were some signs of a thin film of mud in one corner of the basement, but no signs or odors of oil, even though this was the building where the oil first entered. Lastly, I went to the site of the oil spill. The auto parts service place had burned completely, according to the old spill report case notes. This site was 41-22 to 41-30 27 Street. The site was sold to developers who later built an apartment building that was finished in early 2007. This building is listed as 41-28 27 Street. I met the super., Leonardo Colon. He took me to the lowest point in the building. This was a parking garage. There were no signs of oil nor any odors. He said he was new here and didn't know much about the building. The building management company is Golden Management and the contact person is Brandon Wechsler (718) 230-2600, ext 111.I took 3 pictures of the apartment building and the neighboring properties. I remember seeing the dig out for the foundation for the building when I passed by the site many months back. They went down below the bottom of the foundation for the neighboring building which contains Atlantic Precious. This is a depth of about 15 feet or so. Based upon my site visits and the fact that the old auto parts area has been dug out, and the lack of evidence of a spill, I am closing the spill case.

Remarks: SPILL AT A COMMERCIAL BLD CALLER IS A TENANT AND REQ A CALL FROM DEC SPILL HAS NOT BEEN CLEANED UP BEEN SMELLING THIS FOR ABOUT 3 WEEKS

Material:

Site ID:	66252
Operable Unit ID:	871982
Operable Unit:	01
Material ID:	502602
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

FALIDAS ASSCOCIATES (Continued) **1007264881**

Oxygenate: False

Tank Test:

NY MANIFEST:

EPA ID:	NYR000123547
Country:	USA
Mailing Name:	FALIDAS ASSOCIATES
Mailing Contact:	N/S
Mailing Address:	25-15 QUEENS BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-0514

Document ID:	NJA5082592
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Trans2 State ID:	50059
Generator Ship Date:	12/03/2004
Trans1 Recv Date:	12/03/2004
Trans2 Recv Date:	02/07/2005
TSD Site Recv Date:	02/07/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000123547
Trans1 EPA ID:	NYR000080549
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

NJ MANIFEST:

Manifest Code:	NJA5082592
EPA ID:	NYR000123547
Date Shipped:	12/03/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYR000080549
Transporter 2 EPA ID:	NJD986607380
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

FALIDAS ASSCOCIATES (Continued) **1007264881**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/03/2004
Date Trans2 Transported Waste:	02/07/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/07/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03150595
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

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193 **21-16 44TH RD** **NY Spills** **S103560285**
WNW **21-16 44TH RD** **NY ENG CONTROLS** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY INST CONTROL**
0.306 mi. **NY VCP**
1618 ft.

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	8808385
DER Facility ID:	88420
Facility Type:	ER
Site ID:	99512
DEC Region:	2
Spill Date:	1/20/1989
Spill Number/Closed Date:	8808385 / 11/14/1994

21-16 44TH RD (Continued) **S103560285**

Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	1/20/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	11/14/1994
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/23/1989
Spill Record Last Update:	3/30/2004
Spiller Name:	MR GOULD
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	PETROLEUM TANK CLEANING REWELDING COUPLINGS & RELINING TANK & PIPING REPLACED.

Material:

Site ID:	99512
Operable Unit ID:	924799
Operable Unit:	01
Material ID:	453147
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	99512
Spill Tank Test:	1535107
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

21-16 44TH RD (Continued) **S103560285**

ENG CONTROLS:

Site Code:	58239
HW Code:	V00366
Control Code:	13
Control Type:	ENG
Date Record Added:	12/12/2008
Date Rec Updated:	08/16/2011
Updated By:	SRHEIGEL
Site Description:	Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem:	Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions

21-16 44TH RD (Continued) **S103560285**

recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 15
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in

21-16 44TH RD (Continued) **S103560285**

the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 18
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a

21-16 44TH RD (Continued) **S103560285**

NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 12
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a

21-16 44TH RD (Continued) **S103560285**

High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

21-16 44TH RD (Continued) **S103560285**

INST CONTROL:
Site Code: 58239
Control Name: Soil Management Plan
HW Code: V00366
Control Code: 14
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The

21-16 44TH RD (Continued) **S103560285**

SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Deed Restriction
HW Code: V00366
Control Code: A
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239

Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds

21-16 44TH RD (Continued) **S103560285**

(CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Ground Water Use Restriction
HW Code: V00366
Control Code: 08
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the

21-16 44TH RD (Continued) **S103560285**

plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Landuse Restriction
HW Code: V00366
Control Code: 25
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL

21-16 44TH RD (Continued) **S103560285**

Site Code: 58239

Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since

21-16 44TH RD (Continued) **S103560285**

the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Building Use Restriction
HW Code: V00366
Control Code: 26
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum

21-16 44TH RD (Continued) **S103560285**

storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

VCP:

Program Type:	VCP
Site Code:	58239
HW Code:	V00366
Site Class:	C
SWIS:	4101
Region:	2
Town:	New York City
Acres:	.800
Date Record Added:	11/30/2000
Date Record Updated:	04/16/2013
Updated By:	JHOCONNE
Site Description:	Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a

21-16 44TH RD (Continued) **S103560285**

NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

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194 **TAXI STAND** **NY LTANKS** **S109064181**
WSW **22-10 JACKSON AVE** **N/A**
1/4-1/2 **LONG ISLAND, NY**
0.316 mi.
1666 ft.

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	394963
Spill Number/Closed Date:	0713239 / 4/22/2008
Spill Date:	3/14/2008
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported

TAXI STAND (Continued) **S109064181**

Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	3/14/2008
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/14/2008
Spill Record Last Update:	5/2/2008
Spiller Name:	BOB URBAN
Spiller Company:	TAXI STAND
Spiller Address:	2210 JACKSON AVE
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller County:	001
Spiller Contact:	BOB URBAN
Spiller Phone:	(631) 321-4670
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	344508
DEC Memo:	3/14/08 bf: Sent ttf to:Plaxall5-46 46th Ave.Long Island City, NY 111014/18/08 Received call from Bob Arcaro, consultant handling spill closure. Lione failed during FDNY 10 year precision test. Dry leak at the stage II reovery line. Replaced faulty fittings and retested on 4/9/08 and line passed. Will be sending me a letter. i emailed ttf letter to him: arcarora@aol.com. bf4/22/08 Yesterday, I received an email from R. Arcaro with a letter attached confirming the findings he stated on the phone on 4/18/08. NFA. bf
Remarks:	DRY LEAK

Material:

Site ID:	394963
Operable Unit ID:	1151910
Operable Unit:	01
Material ID:	2142675
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	394963
Spill Tank Test:	2384844
Tank Number:	Not reported
Tank Size:	4000
Test Method:	03
Leak Rate:	0

TAXI STAND (Continued) **S109064181**

Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 3/14/2008
Test Method: Horner EZ Check I or II

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195 WILSON HANLEY, INC. **NY SHWS 1001362336**
NW 21-11 44TH AVENUE **NY AST N/A**
1/4-1/2 LONG ISLAND CITY, NY 11101 **NY HIST AST**
0.326 mi.
1721 ft.

Relative:
Higher

Actual:
19 ft.

SHWS:
Program: HW
Site Code: 384281
Classification: N
Region: 2
Acres: .037
HW Code: 241110
Record Add: 07/13/2007
Record Upd: 06/11/2008
Updated By: MOBARRIE
Site Description: Site will be investigated as part of the off-site to adjacent site 241107.
Env Problem: Not reported
Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: Owner
Sub Type: NNN
Owner Name: THOMAS C. WILSON, INC.
Owner Company: THOMAS C. WILSON, INC.
Owner Address: 21-11 44TH AVENUE
Owner Addr2: Not reported
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

WILSON HANLEY, INC. (Continued) **1001362336**

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017663
Program Type:	PBS
UTM X:	588936.06883
UTM Y:	4511482.4266299997
Expiration Date:	2017/10/23
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	153
Affiliation Type:	Emergency Contact
Company Name:	THOMAS C WILSON INC
Contact Type:	Not reported
Contact Name:	JOHN J. HEEKIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	9/10/2007

Site Id:	153
Affiliation Type:	On-Site Operator
Company Name:	THOMAS C WILSON INC
Contact Type:	Not reported
Contact Name:	JOHN J.HEEKIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	9/10/2007

Site Id:	153
Affiliation Type:	Facility Owner
Company Name:	WILSON HANLEY, INC.
Contact Type:	TREASURER
Contact Name:	JOHN J.HEEKIN
Address1:	21-11 44TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001

WILSON HANLEY, INC. (Continued) **1001362336**

Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/30/2012

Site Id:	153
Affiliation Type:	Mail Contact
Company Name:	WILSON HANLEY, INC.
Contact Type:	TREASURER
Contact Name:	JOHN J.HEEKIN
Address1:	21-11 44TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/30/2012

Tank Info:

Tank Number:	001
Tank Id:	27076
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/09/1944
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/30/2012

WILSON HANLEY, INC. (Continued) **1001362336**

Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 002
Tank Id: 27077
Material Code: 9999
Common Name of Substance: Other

Equipment Records:
I00 - Overfill - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 08/01/1981
Capacity Gallons: 600
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KAKYER
Last Modified: 10/30/2012
Material Name: Other

HIST AST:
PBS Number: 2-017663
SWIS Code: 6301
Operator: ROBERT C. LENARDI
Facility Phone: (718) 729-3360
Facility Addr2: 21011 44TH AVENUE
Facility Type: OTHER
Emergency: ROBERT C. LENARDI
Emergency Tel: (516) 626-1388
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: THOMAS C WILSON INC
Owner Address: 21-11 44TH AVENUE
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Federal ID: Not reported
Owner Tel: (718) 729-3360
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: THOMAS C WILSON INC

WILSON HANLEY, INC. (Continued) **1001362336**

Mailing Address:	21-11 44TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 729-3360
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/10/1997
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3600
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AK196 **47-20 30TH ST** **NY LTANKS** **S100167498**
SE **47-20 30TH ST** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.327 mi.
1725 ft. **Site 1 of 2 in cluster AK**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	153441
Spill Number/Closed Date:	8708435 / 11/2/1992
Spill Date:	12/31/1987
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	11/2/1992
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	12/31/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/1/1988
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	279923
DEC Memo:	Not reported
Remarks:	5K TANK CANNOT MAINTAIN LEVEL IN STANDPIPE, PRODUCT LEVEL BELOW TANK TOP, POSSIBLE PIPE PROBLEM.

Material:

Site ID:	153441
Operable Unit ID:	913049
Operable Unit:	01
Material ID:	463825
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

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

Tank Test:

Site ID:	153441
Spill Tank Test:	1532879
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AK197 **I G FEDERAL ELECTRICAL SUPPLY** **NY LTANKS** **U000401648**
SE **47-20 30TH ST** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY HIST UST**
0.327 mi.
1728 ft. **Site 2 of 2 in cluster AK**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	153440
Spill Number/Closed Date:	0110569 / 3/1/2002
Spill Date:	1/30/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2/4/2002
CID:	396
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/2002
Spill Record Last Update:	3/1/2002
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	LARRY
Spiller Phone:	(718) 729-5700
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	130179
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"3/1/2002-VOUGHT-Initial tank test performed by ProTest Laboratories. Second and third tank test performed by Federal Electrical Supply Corporation (718-729-5700). The reason for spill report was initial tank test failure. As a result of failure vent

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

line, fill line, suction line and return line were replaced by Petroleum Tank Cleaners. Tank was tested again on 2-6-2002 and failed again because testers failed to close off return line to day tank. Tank and system was tested for third time and passed on 2-14-2002. Isaac Mungra and Anthony (PTC) confirmed that there was no soil or groundwater contamination. Tank tests and repair invoices were provided. Spill closed by Vought.

Remarks: Not reported

Material:

Site ID:	153440
Operable Unit ID:	847652
Operable Unit:	01
Material ID:	528190
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	153440
Spill Tank Test:	1526857
Tank Number:	1
Tank Size:	4500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

UST:

Id/Status:	2-303658 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/07/14
UTM X:	589676.12798999995
UTM Y:	4510756.9250999996
Site Type:	Other

Affiliation Records:

Site Id:	13807
Affiliation Type:	Mail Contact
Company Name:	JOMEIRA REALTY COMPANY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	47-20 30TH ST
Address2:	Not reported
City:	LONG ISLAND CITY

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

State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 13807
Affiliation Type: On-Site Operator
Company Name: I G FEDERAL ELECTRICAL SUPPLY
Contact Type: Not reported
Contact Name: I G FEDERAL ELECTRICAL SUPPLY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 13807
Affiliation Type: Emergency Contact
Company Name: JOMEIRA REALTY COMPANY
Contact Type: Not reported
Contact Name: IRA FRIEDMAN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (914) 833-1275
EMail: Not reported
Fax Number: Not reported
Modified By: msbaptis
Date Last Modified: 4/18/2007

Site Id: 13807
Affiliation Type: Facility Owner
Company Name: JOMEIRA REALTY COMPANY
Contact Type: REP
Contact Name: IRA FREIDMAN
Address1: 47-20 30TH ST
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported

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

Modified By: msbaptis
Date Last Modified: 4/18/2007

Tank Info:

Tank Number: 001
Tank ID: 16220
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4500
Install Date: 10/30/1984
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 11/30/2006
Next Test Date: 11/30/2011
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 05/22/2012

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-303658
SPDES Number: Not reported
Emergency Contact: IRA FRIEDMAN
Emergency Telephone: (914) 833-1656
Operator: I G FEDERAL ELECTRICAL SUPPLY
Operator Telephone: (718) 729-5700
Owner Name: JOMEIRA REALTY COMPANY
Owner Address: 47-20 30TH ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 729-5700
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: JOMEIRA REALTY COMPANY
Mailing Address: 47-20 30TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: Not reported

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

Mailing Telephone:	(718) 729-5700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	47020 30TH ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/05/1999
Expiration Date:	07/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	12/01/1998
Next Test Date:	12/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

198
WNW
1/4-1/2
0.330 mi.
1740 ft.

SPILL NUMBER 0012047
21ST ST/44TH RD
LONG ISLAND CITY, NY

NY LTANKS

S104950592
N/A

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	297242
Spill Number/Closed Date:	0012047 / 10/30/2003
Spill Date:	2/9/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	2/9/2001
CID:	396
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/9/2001
Spill Record Last Update:	10/30/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	240507
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	caller states that there is fuel oil all over the road and getting in to storm sewers....believes that it is from a tank over fill...spill is on the east side of 21st.nfd.

Material:

Tank Test:

199
West
1/4-1/2
0.338 mi.
1786 ft.

ST. FRANCIS OF ASSISI
45-02 21ST AVE.
NEW YORK CITY, NY

NY LTANKS **S100167428**
N/A

Relative:
Lower

Actual:
13 ft.

LTANKS:

Site ID:	242102
Spill Number/Closed Date:	8704696 / 1/25/1989
Spill Date:	9/4/1987
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	c4
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	9/4/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/11/1987
Spill Record Last Update:	8/19/2004
Spiller Name:	Not reported
Spiller Company:	ST. FRANCIS OF ASSISI
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	198980
DEC Memo:	Not reported
Remarks:	SYSTEM FAILURE- WILL CONTACT CHURCH AND OFFER TO EXCAVATE AND RETEST. CONTACT- JOE FITZPATRICK (718 726-7568)./RETESTED-06/30/88 BY NAT MOSER 3,000 GAL TANK ISOLATED TANK-LEAKING AT -0.142 GPH.

Material:

Site ID:	242102
Operable Unit ID:	911172
Operable Unit:	01
Material ID:	467320
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

ST. FRANCIS OF ASSISI (Continued) **S100167428**

Tank Test:

Site ID:	242102
Spill Tank Test:	1531564
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AL200 **C&H SAND AND STONE; CORP.** **NY SWF/LF** **S105841940**
WSW **21-16 JACKSON AVENUE** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.343 mi.
1813 ft. **Site 1 of 2 in cluster AL**

Relative:
Lower

Actual:
13 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	7189372979
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	HUGH FLAHERTY
Contact Address:	21-16 Jackson Avenue
Contact Addr2:	Not reported
Contact City,St,Zip:	Long Island City, NY 11101
Contact Email:	Not reported
Contact Phone:	7189372979
Activity Desc:	C&D processing - registration
Activity Number:	[41W87]
Active:	No
East Coordinate:	588784
North Coordinate:	4510969
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

Flag:	INACTIVE
Region Code:	2
Phone Number:	5165377525
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported

C&H SAND AND STONE; CORP. (Continued) **S105841940**

Owner Phone: Not reported
Contact Name: JOHN CLAUSE
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: C&D processing - registration
Activity Number: [41W89]
Active: No
East Coordinate: 588784
North Coordinate: 4510969
Accuracy Code: Not reported
Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: Not reported
Authorization Date: Not reported
Expiration Date: Not reported

SPILLS:
Facility ID: 1206533
DER Facility ID: 423842
Facility Type: ER
Site ID: 469536
DEC Region: 2
Spill Date: 10/2/2012
Spill Number/Closed Date: 1206533 / 10/3/2012
Spill Cause: Unknown
Spill Class: Not reported
SWIS: 4101
Investigator: JBVOUGHT
Referred To: Not reported
Reported to Dept: 10/2/2012
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 10/2/2012
Spill Record Last Update: 10/3/2012
Spiller Name: Not reported
Spiller Company: HEALTY BRAND OIL INC
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: BRAD GREEN
Contact Phone: (718) 937-0806
DEC Memo: 10/3/12-Vought-Duty desk officer. Spill closed a biodegradable cooking oil and non-petroleum spill.
Remarks: anonymous caller reports oil on floor area of facility/cooking oil has exited building and entered storm drain...this has been on going issue for several years

C&H SAND AND STONE; CORP. (Continued) **S105841940**

Material:

Site ID:	469536
Operable Unit ID:	1219429
Operable Unit:	01
Material ID:	2217932
Material Code:	0820A
Material Name:	COOKING OIL
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AL201 **UNITED WASTE REMOVAL;INC.** **NY SWF/LF** **S105841795**
WSW **2116 JACKSON AVENUE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.344 mi.
1818 ft. **Site 2 of 2 in cluster AL**

Relative:
Lower

Actual:
13 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	7187846611
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	LIRR
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[41T67]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

202
ESE
1/4-1/2
0.352 mi.
1858 ft.

LA GUARDIA COMMUNITY COLLEGE
31-10 THOMSON AVE
LONG ISLAND CITY, NY 11101

NY LTANKS **S105995066**
NY MANIFEST **N/A**

Relative:
Higher

Actual:
24 ft.

LTANKS:

Site ID:	89365
Spill Number/Closed Date:	0110443 / 1/31/2002
Spill Date:	1/31/2002
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	1/31/2002
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/31/2002
Spill Record Last Update:	9/19/2003
Spiller Name:	KAREN MCCORMACK
Spiller Company:	LAGUARDIA COMM COLLEGE
Spiller Address:	31-10 THOMSON AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	KAREN MCCORMACK
Spiller Phone:	(718) 482-5580
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	81624
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"01/31/2002 SPILL TO SIDEWALK ONLY, NO IMPACT TO SOILS,SEWERS ETC. OIL COMPANY CONTAINED AND CLEANED IMMEDIATELY. SUPERINTENDANT ERFAN VERIFIED CLEANUP COMPLETE.
Remarks:	SCHOOL ORDERED TOO MUCH PRODUCT LEADING TO OVERFILL - CLEAN UP CREW ON THE WAY

Material:

Site ID:	89365
Operable Unit ID:	847549
Operable Unit:	01
Material ID:	528067
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	7
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Oxygenate: False

Tank Test:

NY MANIFEST:

EPA ID:	NY0000202374
Country:	USA
Mailing Name:	LA GUARDIA COMMUNITY COLLEGE
Mailing Contact:	GODFREY CHEE PING
Mailing Address:	31-10 THOMSON AVE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-5749

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	42.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	8.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	116.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	39.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	6.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	58.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 2012-02-29
Trans1 Recv Date: 2012-02-29
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-03-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000202374
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 2.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 004542897FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 2012-02-29
Trans1 Recv Date: 2012-02-29
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-03-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000202374
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 251.0
Units: P - Pounds
Number of Containers: 1.0

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	116.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	41.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	52.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	27.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Quantity:	12.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Click this hyperlink while viewing on your computer to access
64 additional NY_MANIFEST: record(s) in the EDR Site Report.

203
NE
1/4-1/2
0.361 mi.
1908 ft.

OFFICE BUILDING
29-27 NORTHERN BLVD
LONG ISLAND, NY

NY LTANKS **S108467715**
N/A

Relative:
Higher

Actual:
28 ft.

LTANKS:

Site ID:	377316
Spill Number/Closed Date:	0612458 / 2/16/2007
Spill Date:	2/14/2007
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2/14/2007
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/14/2007
Spill Record Last Update:	2/21/2007
Spiller Name:	BOB LAGA
Spiller Company:	OFFICE BUILDING
Spiller Address:	29-76 NORTHERN BLVD
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller County:	001
Spiller Contact:	BOB LAGA
Spiller Phone:	(718) 762-5200
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	326872
DEC Memo:	A CSL letter was NOT sent to Mr. Laga. Based on his experience, he knows the standard DEC routine on cases like this.Sangesland left a voice message reviewing the proceedure:Pulled tank, Excavate soil, Sample endpoints for VOC/SVOC, Submit report with results & manifests.02/16/07 Rahman- Closure report from Franklin Company.VOC and Naphthalene are non detect in th e end point sample taken from the tank vault.Tank was 500 gallon, no holes/corrosion observed.SVOC(Benzo group) levels are slightly above the TAGM, which can be artributed as fill material.NFA required.address corrected from 29-76 to 29-27 as per a request from Franklin Company(Bob).
Remarks:	CONTAMINATED SOIL FOUND AFTER PULLING TANK: 500 GALLON T ANK

Material:

Site ID:	377316

OFFICE BUILDING (Continued) **S108467715**

Operable Unit ID: 1134859
Operable Unit: 01
Material ID: 2124741
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AM204 **GETTY #344** **NY LTANKS** **U004062912**
East **31-05 QUEENS BOULEVARD** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY HIST UST**
0.379 mi. **NY AST**
2000 ft. **Site 1 of 2 in cluster AM** **NY Spills**

Relative:
Higher

Actual:
43 ft.

LTANKS:
Site ID: 377088
Spill Number/Closed Date: 0612273 / 2/8/2007
Spill Date: 2/8/2007
Spill Cause: Tank Overfill
Spill Source: Gasoline Station
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: SFRAHMAN
Referred To: Not reported
Reported to Dept: 2/8/2007
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 2/8/2007
Spill Record Last Update: 2/8/2007
Spiller Name: MIKE CARR
Spiller Company: LUK OIL
Spiller Address: 3105 QUEENS BLVD
Spiller City,St,Zip: LONG ISLAND, NY
Spiller County: 001
Spiller Contact: MIKE CARR
Spiller Phone: (518) 369-7822
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 309823
DEC Memo: All cleaned up.Sharif stopped by the site.
Remarks: DELIVERY OVERFILL AND IS ALL CLEANED UP: FDNY RESPONDED AND TYREE AND

GETTY #344 (Continued) **U004062912**

ABSORBANT USED AND LETTER REPORT TO BE FORWARDED TO DEC:

Material:

Site ID:	377088
Operable Unit ID:	1134643
Operable Unit:	01
Material ID:	2124520
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	40
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

UST:

Id/Status:	2-145688 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2014/04/08
UTM X:	589981.44035000005
UTM Y:	4511107.1311499998
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	4184
Affiliation Type:	On-Site Operator
Company Name:	GETTY #344
Contact Type:	Not reported
Contact Name:	SAMI RAFAAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0539
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2009

Site Id:	4184
Affiliation Type:	Emergency Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	SCOTT HANLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported

GETTY #344 (Continued) **U004062912**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 324-5110
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/3/2012

Site Id: 4184
Affiliation Type: Mail Contact
Company Name: GETTY PETROLEUM MARKETING, INC.
Contact Type: AUTHORIZED SIGNATURE FOR CLIENT
Contact Name: SCOTT HANLEY
Address1: 1500 HEMPSTEAD TURNPIKE
Address2: Not reported
City: EAST MEADOW
State: NY
Zip Code: 11554
Country Code: 001
Phone: (516) 542-4900
EMail: SHANLEY@GETTY.COM
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 4/4/2012

Site Id: 4184
Affiliation Type: Facility Owner
Company Name: GETTY PETROLEUM MARKETING, INC.
Contact Type: Not reported
Contact Name: Not reported
Address1: 1500 HEMPSTEAD TURNPIKE
Address2: Not reported
City: EAST MEADOW
State: NY
Zip Code: 11554
Country Code: 001
Phone: (516) 542-4900
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/3/2012

Tank Info:

Tank Number: 001
Tank ID: 28167
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

GETTY #344 (Continued) **U004062912**

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

G00 - Tank Secondary Containment - None
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 002
Tank ID: 28168
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

G00 - Tank Secondary Containment - None
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 003

GETTY #344 (Continued) **U004062912**

Tank ID: 28169
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K01 - Spill Prevention - Catch Basin
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 013
Tank ID: 59221
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None

GETTY #344 (Continued) **U004062912**

G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	014
Tank ID:	59222
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	11/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	015
Tank ID:	59223
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	11/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT

GETTY #344 (Continued) **U004062912**

Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 016
Tank ID: 59224
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None

Tank Number: 017
Tank ID: 59225
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

GETTY #344 (Continued) **U004062912**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 018
Tank ID: 59226
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 019
Tank ID: 59227
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000

GETTY #344 (Continued) **U004062912**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 020
Tank ID: 59228
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 021

GETTY #344 (Continued) **U004062912**

Tank ID: 59229
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 022
Tank ID: 59230
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
F00 - Pipe External Protection - None

GETTY #344 (Continued) **U004062912**

H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	023
Tank ID:	212675
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	05/22/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	JMKRIMGO
Last Modified:	07/14/2006

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	024
Tank ID:	212676
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	05/22/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	JMKRIMGO
Last Modified:	07/14/2006

Equipment Records:

GETTY #344 (Continued) **U004062912**

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 025
Tank ID: 212677
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/22/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: JMKRIMGO
Last Modified: 07/14/2006

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

HIST UST:
PBS Number: 2-145688
SPDES Number: Not reported
Emergency Contact: LUIS OCHOTORENA
Emergency Telephone: (718) 729-6500
Operator: BARBIR SINGH
Operator Telephone: (718) 706-0317
Owner Name: LEEMILTS PETROLEUM INC
Owner Address: 125 JERICHO TURNPIKE
Owner City,St,Zip: JERICHO, NY 11753
Owner Telephone: (516) 338-6500
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GETTY
Mailing Address: 125 JERICHO TURNPIKE

GETTY #344 (Continued) **U004062912**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	JERICHO, NY 11735
Mailing Contact:	SCOTT HANLEY
Mailing Telephone:	(516) 338-6500
Owner Mark:	Third Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/05/2001
Expiration Date:	01/03/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12420
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True

GETTY #344 (Continued) **U004062912**

Lat/long: Not reported

Tank Id: 014
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 015
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

GETTY #344 (Continued) **U004062912**

Tank Id:	016
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	017
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	018
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

GETTY #344 (Continued) **U004062912**

Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	019
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	020
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

GETTY #344 (Continued) **U004062912**

Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 021
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 022
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None

GETTY #344 (Continued) **U004062912**

Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-145688
Program Type:	PBS
UTM X:	589981.44035000005
UTM Y:	4511107.1311499998
Expiration Date:	2014/04/08
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	4184
Affiliation Type:	On-Site Operator
Company Name:	GETTY #344
Contact Type:	Not reported
Contact Name:	SAMI RAFAAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0539
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2009

Site Id:	4184
Affiliation Type:	Emergency Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	SCOTT HANLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999

GETTY #344 (Continued) **U004062912**

Phone:	(718) 324-5110
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/3/2012

Site Id:	4184
Affiliation Type:	Mail Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	AUTHORIZED SIGNATURE FOR CLIENT
Contact Name:	SCOTT HANLEY
Address1:	1500 HEMPSTEAD TURNPIKE
Address2:	Not reported
City:	EAST MEADOW
State:	NY
Zip Code:	11554
Country Code:	001
Phone:	(516) 542-4900
EMail:	SHANLEY@GETTY.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/4/2012

Site Id:	4184
Affiliation Type:	Facility Owner
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1500 HEMPSTEAD TURNPIKE
Address2:	Not reported
City:	EAST MEADOW
State:	NY
Zip Code:	11554
Country Code:	001
Phone:	(516) 542-4900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/3/2012

Tank Info:

Tank Number:	004
Tank Id:	49455
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser

GETTY #344 (Continued) **U004062912**

L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/01/1997
Capacity Gallons:	240
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	005
Tank Id:	49456
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
D00 - Pipe Type - No Piping
J00 - Dispenser - None
A00 - Tank Internal Protection - None
I01 - Overfill - Float Vent Valve
B05 - Tank External Protection - Jacketed
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/1997
Capacity Gallons:	180
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	Waste Oil/Used Oil

Tank Number:	010
Tank Id:	49460
Material Code:	9999
Common Name of Substance:	Other

GETTY #344 (Continued) **U004062912**

Equipment Records:
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	04/01/1995
Capacity Gallons:	120
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	011
Tank Id:	49461
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	04/01/1995
Capacity Gallons:	280
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

GETTY #344 (Continued) **U004062912**

Tank Number: 012
Tank Id: 51892
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A99 - Tank Internal Protection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
B05 - Tank External Protection - Jacketed
D00 - Pipe Type - No Piping
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 12/01/1996
Capacity Gallons: 180
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 08/01/1997
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

Tank Number: 04A
Tank Id: 56352
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
B05 - Tank External Protection - Jacketed
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 02/01/1997
Capacity Gallons: 240
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported

GETTY #344 (Continued) **U004062912**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	Lube Oil

SPILLS:

Facility ID:	0601451
DER Facility ID:	309823
Facility Type:	ER
Site ID:	363688
DEC Region:	2
Spill Date:	5/9/2006
Spill Number/Closed Date:	0601451 / 1/4/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	5/9/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/9/2006
Spill Record Last Update:	1/4/2007
Spiller Name:	MIKE CARR
Spiller Company:	GETTY #344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	001
Contact Name:	MIKE CARR
Contact Phone:	(518) 369-7822
DEC Memo:	This site is contaminated, but this spill number is closed out and referenced to spill #0513247
Remarks:	soil staining under dispenser: will dig out: please see spill # 05-13247

Material:

Site ID:	363688
Operable Unit ID:	1121753
Operable Unit:	01
Material ID:	2111237
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

GETTY #344 (Continued) **U004062912**

Oxygenate: False

Tank Test:

Facility ID: 0601907
DER Facility ID: 309823
Facility Type: ER
Site ID: 364262
DEC Region: 2
Spill Date: 5/22/2006
Spill Number/Closed Date: 0601907 / 10/24/2008
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: smsanges
Referred To: Not reported
Reported to Dept: 5/22/2006
CID: 444
Water Affected: Not reported
Spill Source: Gasoline Station
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: True
Remediation Phase: 0
Date Entered In Computer: 5/22/2006
Spill Record Last Update: 10/24/2008
Spiller Name: JOSEPH GAVIN
Spiller Company: GETTY #00344
Spiller Address: 3105 QUEENS BLVD
Spiller City,St,Zip: LONG ISLAND, NY
Spiller Company: 001
Contact Name: JOSEPH GAVIN
Contact Phone: (631) 694-9696
DEC Memo: Tyree report says: Joints were tightened & "re-doped". Sump is contained. Lines and leak detectors were tested and passed.
Remarks: 2 LEAKING DISPENSERS #3 & 4: AND CONATINED FOUND DURING INSPECTION

Material:
Site ID: 364262
Operable Unit ID: 1122294
Operable Unit: 01
Material ID: 2111767
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

GETTY #344 (Continued) **U004062912**

Tank Test:

Facility ID:	0513247
DER Facility ID:	309823
Facility Type:	ER
Site ID:	359705
DEC Region:	2
Spill Date:	2/17/2006
Spill Number/Closed Date:	0513247 / 10/24/2008
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	2/17/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/17/2006
Spill Record Last Update:	10/24/2008
Spiller Name:	ROBERT
Spiller Company:	MONTGOMERY DISTRIBUTORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	ROBERT DELGADIO
Contact Phone:	(516) 683-0200
DEC Memo:	Couplings in dispensers leaking into containment pans.Pumps shut down. Repairs made. System pressure tested/passedvac out dispenser pans.Tyree report says NO soil dig out. Spill was to sealed containment under dispenser. Lines were tightened and "re-doped" stains to cement "drive mat" No product loss - System pressure tested & Passed.
Remarks:	SHEER VALVES LEAKING AND POOR INVENTORY AND DRY STAINING:

Material:

Site ID:	359705
Operable Unit ID:	1116900
Operable Unit:	01
Material ID:	2107352
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

GETTY #344 (Continued) **U004062912**

Oxygenate: False

Tank Test:

AM205 **GETTY S/S #344 - GETTY PROPERTIES** **NY LTANKS** **S104278677**
East **31-05 QUEENS BLVD** **NY MANIFEST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY Spills**
0.379 mi.
2000 ft. **Site 2 of 2 in cluster AM**

Relative:
Higher

Actual:
43 ft.

LTANKS:

Site ID:	298006
Spill Number/Closed Date:	9909630 / 12/2/2004
Spill Date:	11/8/1999
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	11/8/1999
CID:	233
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/8/1999
Spill Record Last Update:	12/2/2004
Spiller Name:	Not reported
Spiller Company:	GETTY #344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241103
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"04/12/04TRANSFERRED FROM ODOWD TO VOGUHT12/2/04-Vought-This spill closed and referred to open spill #0009849.
Remarks:	u/g tank failed test tyree to make repair retest to be schedule

Material:

Site ID:	298006
Operable Unit ID:	1084383
Operable Unit:	01
Material ID:	298706
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	298006
Spill Tank Test:	1547824
Tank Number:	Not reported
Tank Size:	4000
Test Method:	20
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	USTest 2000/P/LL plus USTest 2000/U

Site ID:	298004
Spill Number/Closed Date:	0009849 / 1/5/2007
Spill Date:	11/30/2000
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	WXSUN
Referred To:	Not reported
Reported to Dept:	11/30/2000
CID:	389
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/30/2000
Spill Record Last Update:	1/5/2007
Spiller Name:	Not reported
Spiller Company:	GETTY GAS STATION
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY -
Spiller County:	001
Spiller Contact:	ERIC EWALD
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241103
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"3/14/03 REASSIGNED FROM ROMMEL TO VOUGHT.08/31/2005 - Feng - Transferred from Vought to Feng.10/18/2005 - Feng - Spill#: 04-10119 has been consolidated into this spill#.10/27/2005 - Feng - Quarterly Monitoring Report, 8/2005 - 10/2005. 4 monitoring wells onsite. and

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

there are 4 proposed SVE wells located in north and south side of former 10 (550-gallon) USTs. groundwater flows to north at depth of 24.79' to 27.07' bg. W-1, BTEX below MDL most of the time, MTBE, decreasing, 83ppb this quarter. W-2, below MDL. W-3, both decreasing, 181 BTEX and MTBE below MDL. W-4, below MDL all the time.2/27/2006 - Feng - Quarterly Monitoring Report, 11/2005 - 1/2006. The site is an active Getty gasoline retail station. Groundwater flows to norht at the depth of 24.71' to 27.58' bg. 4 monitoring wells onsite. W-1, MDL BTEX, decreased and 25 ppb MTBE. W-2, MDL both. W-3, decreased and 118 ppb BTEX, increased and 20 ppb MTBE. W-4, MDL both. (RJF)08/21/2006-Sun-Quarterly Monitoring Report, April 2006 - July, 2006. The site is an active Getty gasoline retail station. Groundwater flows to norht at the depth of 24.61' to 25.49' bg. 4 monitoring wells onsite. W-1, MDL BTEX, 26.4 ppb MTBE. W-2, MDL both. W-3, dry, and W-4, MDL both. (Sun)01/05/07: Based on the Quarterly Report dated 10/16/06, BTEX concentrations are non-detect and MTBE concentrations ranged from non-detect to 15 ppb. Spill is closed and NFA letter will be issued. (Sun)

Remarks: CALLER REPORTING A SPILL OF PETROLEUM FOUND TO BE INPACTED SOIL LIKELY FROM A TANK FAILURE. NO CLEAN UP AS OF YET AND NO CALLBACK NECESSARY

Material:

Site ID:	298004
Operable Unit ID:	830828
Operable Unit:	01
Material ID:	543782
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYR000043505
Country:	USA
Mailing Name:	GETTY PETROLEUM CORP
Mailing Contact:	STEVE GORDON
Mailing Address:	31-05 QUEENS BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-706-0317

NY MANIFEST:

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

No Manifest Records Available

SPILLS:

Facility ID:	0807230
DER Facility ID:	241103
Facility Type:	ER
Site ID:	404569
DEC Region:	2
Spill Date:	9/25/2008
Spill Number/Closed Date:	0807230 / 11/24/2008
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	9/26/2008
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/26/2008
Spill Record Last Update:	6/15/2009
Spiller Name:	ROBERT HOLLAND
Spiller Company:	GETTY 344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	ROBERT HOLLAND
Contact Phone:	(631) 404-5355
DEC Memo:	Aboveground motor oil tank. Oil poured into interstitial space while tank was being filled.
Remarks:	CALLER STATES THAT THERE WAS MOTOR OIL FOUND IN THE INTERSTIAL SPACE OF A TANK. NO PRODUCT WAS SPILLED. THERE WAS ALSO AN0THER PRODUCT FOUND IN THE SUMP. PUMP OUT IS PENDING.

Material:

Site ID:	404569
Operable Unit ID:	1161216
Operable Unit:	01
Material ID:	2152409
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	404569

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Operable Unit ID:	1161216
Operable Unit:	01
Material ID:	2152410
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9705058
DER Facility ID:	241103
Facility Type:	ER
Site ID:	298005
DEC Region:	2
Spill Date:	7/28/1997
Spill Number/Closed Date:	9705058 / 12/2/2004
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	7/28/1997
CID:	266
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/28/1997
Spill Record Last Update:	12/2/2004
Spiller Name:	LOU OCHOTORENA
Spiller Company:	GETTY OIL CORPORATION
Spiller Address:	30-23 GREEN POINT AVENUE
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"12/5/03-Vought-Transferred from O'Dowd to Vought on 12/5/03.12/2/04-Vought-This spill closed and referred to open spill #0009849.
Remarks:	7 YARDS OF CONTAMINATED SOIL FOUND DURING REMOVAL OF A 550 GALLON WASTE OIL TANK.

Material:

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Site ID:	298005
Operable Unit ID:	1048381
Operable Unit:	01
Material ID:	334280
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0902163
DER Facility ID:	241103
Facility Type:	ER
Site ID:	414198
DEC Region:	2
Spill Date:	5/22/2009
Spill Number/Closed Date:	0902163 / 9/24/2009
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	4101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	5/22/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/2009
Spill Record Last Update:	9/29/2009
Spiller Name:	MATT BOECKEL
Spiller Company:	GETTY 344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	MATT BOECKEL
Contact Phone:	(631) 249-3150
DEC Memo:	05/22/09 CSL was sent to Getty Petroleum Marketing1500 Hempstead TurnpikeEast Meadow, NY 11554Attn: Scott Hanley08/31/09- Tyree sent the Subsurface Investigation Report dated June/22/09. The report stated that the piping and the four(4) product dispensers were removed in May 2009. The USTs has been drain of all fuel and are scheduled to be abondoned. On May 22,2009 the subsurface investigation activities were initiated , Based upon recent analytical datas it appears that the source of the soil and

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

groundwater contamination is located in the area of the USTs and pump island.A total of seven (7)soil/groundwater borings were installed as part of the investigation. Soil samples were collested from ground surface to depths ranging from thirty-five(35) feet to forty (40) feet below grade. Groundwater was encountered at (27) feet below grade.The analytical results for soil samples indicate No VOCs exceeding the RSCOs. Some SVOC'S were slighly exceding the RSCOs for the samples ND-W, ND-E, WD-N, WD-S and B-TFE(13-14 ft).The analytical results for grounswater indicate Methyl-tert Butyl Ether and Benzene slighly exceeding the RSCOs. SVOC"s ara not exceding the RSCOs.As per Scott Hanley Getty Marketing (516) 542-5023 and Kevin Shean Getty Realty Corporation (516) 478-5400 there is no plan for developing the site until 20015. The site is going to be used for vehicle repair inside and for storage of vehicle outside. Getty Marketing leased the property. Getty Realty Corporation owns the property. Spill Closed

Remarks: CALLER STATES THAT THEY GOT TEST RESULTS BACK FROM A PHASE 2 SHOWING SOIL CONTAMINATION CLEAN UP IS PENDING.

Material:

Site ID:	414198
Operable Unit ID:	1170588
Operable Unit:	01
Material ID:	2162324
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0800383
DER Facility ID:	241103
Facility Type:	ER
Site ID:	396128
DEC Region:	2
Spill Date:	4/10/2008
Spill Number/Closed Date:	0800383 / 7/9/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	4/10/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/10/2008
Spill Record Last Update:	7/9/2008
Spiller Name:	MIKE CARR\\
Spiller Company:	GETTY#344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	MIKE CARR\\
Contact Phone:	(518) 369-7822 CELL
DEC Memo:	Tyree Closure letter dated 7/8/2008 states:"The above noted site utilizes one 4,000 gallon premium grade gasoline underground storage tank (UST), one 4,000 gallon regular grade gasoline UST and one 4,000 gallon diesel fuel UST. On April 10, 2008 WCC Tank Technology, Inc. performed an inspection of the interior tank lining for all three USTs. The results of the inspection revealed that the tanks failed on the visual inspection and the tank lining thickness. The tanks did pass on the tank metal thickness. It should also be noted that the three tanks were tightness tested and all passed, as such there was no release to the environment. A copy of the tank inspection report is included with this report. The NYSDEC was immediately notified and spill No. 08-00383 was assigned to the site. The three tanks were re-lined subsequent to the initial inspection. On June 20, 2008 the three tanks and the associated piping system were tightness tested. The results of the tightness test indicated that all of the tanks and the associated piping passed. A copy of the tightness testing report is included with this report."Based on this information, the DEC is closing this spill case.
Remarks:	LINE TEST FAILED

Material:

Site ID:	396128
Operable Unit ID:	1153074
Operable Unit:	01
Material ID:	2143854
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0410119
DER Facility ID:	241103
Facility Type:	ER
Site ID:	335029
DEC Region:	2
Spill Date:	12/11/2004
Spill Number/Closed Date:	0410119 / 10/18/2005

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	rjfeng
Referred To:	Not reported
Reported to Dept:	12/11/2004
CID:	27
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/13/2004
Spill Record Last Update:	10/18/2005
Spiller Name:	Not reported
Spiller Company:	GETTY #344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	08/31/2005 - Feng - Transferred from Vought to Feng.10/18/2005 - Feng - spill consolidated with spill #: 00-09849 in same location.
Remarks:	Caller reports a car backed into a gas pump. Spill is contained in the dispencer sump and it has been cleaned up. Callers cell number is 518.369.7822.

Material:

Site ID:	335029
Operable Unit ID:	1097138
Operable Unit:	01
Material ID:	577091
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	2
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

206
South
1/4-1/2
0.398 mi.
2102 ft.

BLACK BEAR COMPANY
27-10 HUNTERS POINT AVE
QUEENS, NY

NY LTANKS

S106972606
N/A

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	345633
Spill Number/Closed Date:	0501474 / 8/16/2005
Spill Date:	5/5/2005
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	5/5/2005
CID:	71
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/5/2005
Spill Record Last Update:	11/9/2007
Spiller Name:	ABRAHAM WEXLER
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	ABRAHAM WEXLER
Spiller Phone:	(718) 731-7011
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	291869
DEC Memo:	5/6/05 mt/// tank now being emptied, ttf letter sent///////5/23/05 mt//// tank emptied and cleaned, may be closed in place//attempted calling # in fax..Not in service.5/31/05 mt/updating//black bear company retained Richard Baldwin to conduct investigation//8/16/05 Tipple observed samples from gw interface, no visual or olfactory evidence of petroleum contamination//Tank must be removed or properly abandon in place as soon as feasible, no further action necessary to remediate contaminants at this site.Spill Closed
Remarks:	WET PORTION LEAK

Material:

Site ID:	345633
Operable Unit ID:	1103350
Operable Unit:	01
Material ID:	583562
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2500

BLACK BEAR COMPANY (Continued) **S106972606**

Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 345633
Spill Tank Test: 1548874
Tank Number: Not reported
Tank Size: 7500
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 5/5/2005
Test Method: Horner EZ Check I or II

AN207 **LOVOUR HOME** **NY LTANKS** **S108639404**
NNE **2512 41ST AVE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.399 mi.
2107 ft. **Site 1 of 2 in cluster AN**

Relative:
Higher

Actual:
34 ft.

LTANKS:
Site ID: 380071
Spill Number/Closed Date: 0700688 / 2/17/2010
Spill Date: 4/18/2007
Spill Cause: Tank Test Failure
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: bkfalvey
Referred To: Not reported
Reported to Dept: 4/18/2007
CID: 444
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/18/2007
Spill Record Last Update: 2/17/2010
Spiller Name: ERIC LOVOUR
Spiller Company: LOVOUR HOME
Spiller Address: 2512 41ST AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 001
Spiller Contact: ERIC LOVOUR
Spiller Phone: (718) 392-2123
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 329555

LOVOUR HOME (Continued) **S108639404**

DEC Memo: 4/25/07 bf: sent ttf letter to:Eric LevorQueens Plaza Realty Corp.25-12 41 AvenueLong Island City, NY 11101-38825/25/07 received passing tightness test results by fax from Eric Lovor. Tried calling him at number on fax:(718)392-2123. No answer. To close this spill, he needs to submit a response to ttf letter. bf5/29/07 Called E. Levor again and there was no answer. Called Emergency Contact # from PBS facility info (718)263-2418 and left message to call me back. bf6/4/07 Called E. Levor at (718)392-2123. The number is no longer in service. I then left a message at (718)263-2418. bf6/5/07 Received 2 messages from Edith Levor to call back. (718)392-2123. Called her at 3:45 Pm and she said that the tank failed the test because there were two sets of vent pipes. The old vent pipe was never disconnected. She said she will call Advanced Tank after she hangs up with me and have them prepare a response to the ttf letter. bf11/8/07 Called E. Levor. Left message that i still have not received letter from Advanced Tank and to call me back. Called Vinnie the Tank Doctor (718)727-0666. He said that there was an open line from a hot water heater and he plugged the line. No contaminated soil was found. He faxed paperwork to E. Levor. He was not in his office and requested I call him Monday. He will check to see if he still has the fax. bf11/26/07 Received message from E. Levor. Called her back and left message on her machine. bf1/22/10 Inspected site and issued NOV for expired registration, failure to monitor unmetered tank for leaks, and failure to contain/reomve petroleum discharge. Administrative settlement conference is scheduled for 2/17/10 at 10:30 AM. bf2/17/10 PBS Settlement Conference held today. Attended by Edith and Eric levor. Provided 6/7/07 letter from Tank Doctor Inc. stating that 2 unused lines from top of tank were disconnected in building. Removed lines and tank retested and passed. NFA. bf

Remarks: PBS No: 2-607688

Material:

Site ID:	380071
Operable Unit ID:	1137562
Operable Unit:	01
Material ID:	2127510
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	380071
Spill Tank Test:	1550766
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	4/18/2007

LOVOUR HOME (Continued) **S108639404**

Test Method: Horner EZ Check I or II

AO208 **APRT** **NY LTANKS** **S108983070**
NNE **2403 41ST AVE** **N/A**
1/4-1/2 **QUEENS, NY**
0.417 mi.
2203 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
28 ft.

LTANKS:

Site ID:	393128
Spill Number/Closed Date:	0711618 / 4/2/2008
Spill Date:	2/4/2008
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	2/4/2008
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/2008
Spill Record Last Update:	3/30/2009
Spiller Name:	MARLIN JOSEPH
Spiller Company:	APRT
Spiller Address:	2403 41ST AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	MARLIN JOSEPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	112
DEC Region:	2
DER Facility ID:	342746
DEC Memo:	2/21/08 Called Dominic Casamento (718)278-0806. left message to call me back. Sent ttf letter to:Dominic Casamento2403 41st LLC14-38 31st DriveLong Island City, NY 11106Mr. Casamento called back later in the day. He said Petroleum Tank Cleaners will be coming back on Monday to make necessary repairs. He said they told him it was a dry leak. I confirmed the above address as his mailing address. He is on vacation and will be returning Monday. bf4/2/08 received fax from M. Salamack of PTC. Tank was emptied and lines and tank were isolated. vent line was hit by a vehicle as tank is under a driveway area. Vent line was replaced to a different area to prevent future accidents. Tank was retesed 3/10/08 and passed. Test results attached. NFA. bf
Remarks:	DRY PORTION LEAK

Material:

APRT (Continued) **S108983070**

Site ID: 393128
Operable Unit ID: 1150101
Operable Unit: 01
Material ID: 2140683
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 393128
Spill Tank Test: 2384605
Tank Number: Not reported
Tank Size: 1500
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 2/4/2008
Test Method: Horner EZ Check I or II

AN209 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100153363**
NNE **40-40 CRESCENT ST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.419 mi.
2214 ft. **Site 2 of 2 in cluster AN**

Relative:
Higher

Actual:
34 ft.

LTANKS:
Site ID: 271352
Spill Number/Closed Date: 9105613 / 3/14/2003
Spill Date: 8/23/1991
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 8/23/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/17/1991
Spill Record Last Update: 10/24/2003
Spiller Name: Not reported

CLOSED-LACKOF RECENT INFO (Continued) **S100153363**

Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	220855
DEC Memo:	Not reported
Remarks:	THREE 2K TANKS SIPHONED. PETROTITE.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	271352
Operable Unit ID:	956119
Operable Unit:	01
Material ID:	421399
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	271352
Spill Tank Test:	1538951
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AO210 **24-03 41ST AVE** **NY LTANKS** **U003066518**
NNE **24-03 41ST AVE** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.420 mi.
2219 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
30 ft.

LTANKS:

Site ID:	174701
Spill Number/Closed Date:	8709565 / 2/25/1993
Spill Date:	2/10/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	2/25/1993
Cleanup Meets Standard:	False

24-03 41ST AVE (Continued) **U003066518**

SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	2/10/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/23/1988
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	LAMBERT PETA
Spiller Address:	24-03 41ST. STREET
Spiller City,St,Zip:	L.I.C., NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	146914
DEC Memo:	Not reported
Remarks:	-0.491 G.P.H. DETECTED LEAK RATE COMING FROM A 1500 GALLON TANK . THE COMPANY OWNING THE TANK HAS BEEN NOTIFIED BUT HAS NOT CONFIRMED ANY ACTIONS REGARDING THIS FAILURE.

Material:

Site ID:	174701
Operable Unit ID:	914644
Operable Unit:	01
Material ID:	464893
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	174701
Spill Tank Test:	1533215
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

24-03 41ST AVE (Continued) **U003066518**

UST:
- Id/Status: 2-095265 / Active
- Program Type: PBS
- Region: STATE
- DEC Region: 2
- Expiration Date: 2017/06/12
- UTM X: 589499.50413000002
- UTM Y: 4511838.0478299996
- Site Type: Apartment Building/Office Building

Affiliation Records:
- Site Id: 2629
- Affiliation Type: Facility Owner
- Company Name: 2403 41ST LLC
- Contact Type: OWNER
- Contact Name: DOMINIC CASAMARO
- Address1: 14-38 31 DRIVE
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11106
- Country Code: 001
- Phone: (718) 278-0806
- EMail: Not reported
- Fax Number: Not reported
- Modified By: MSBAPTIS
- Date Last Modified: 3/27/2012

- Site Id: 2629
- Affiliation Type: Mail Contact
- Company Name: 2403 41ST LLC
- Contact Type: Not reported
- Contact Name: DOMINIC CASAMENTO
- Address1: 14-38 31 DRIVE
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11106
- Country Code: 001
- Phone: (718) 278-0806
- EMail: DCANDS@ACK.COM
- Fax Number: Not reported
- Modified By: MSBAPTIS
- Date Last Modified: 3/27/2012

- Site Id: 2629
- Affiliation Type: On-Site Operator
- Company Name: 24-03 41ST AVE
- Contact Type: Not reported
- Contact Name: MANUEL MUNOZ
- Address1: Not reported
- Address2: Not reported
- City: Not reported
- State: NN
- Zip Code: Not reported
- Country Code: 001
- Phone: (347) 228-7882

24-03 41ST AVE (Continued) **U003066518**

EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 4/5/2007

Site Id: 2629
Affiliation Type: Emergency Contact
Company Name: 2403 41ST LLC
Contact Type: Not reported
Contact Name: DOMINIC CASAMENTO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (201) 259-1434
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 4513
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 1500
Install Date: 12/01/1950
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 03/04/2013
Next Test Date: 03/04/2018
Pipe Model: Not reported
Modified By: BKFALVEY
Last Modified: 07/29/2013

Equipment Records:

G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None

211
NNW
1/4-1/2
0.421 mi.
2222 ft.

MANHOLE 14413
QUEENS PLAZA NORTH
QUEENS, NY

NY LTANKS
NY Spills

S104950693
N/A

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	63771
Spill Number/Closed Date:	0100062 / 6/16/2003
Spill Date:	4/3/2001
Spill Cause:	Tank Failure
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	4/3/2001
CID:	382
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/3/2001
Spill Record Last Update:	6/16/2003
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, NY
Spiller County:	001
Spiller Contact:	FIREFIGHTER GIORDANO
Spiller Phone:	(917) 769-0483
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	61550
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks:	saddle tank on tractor trailer became dislodged and spilled oil onto roadway and did enter sewer system. hazmat on scene

Material:

Site ID:	63771
Operable Unit ID:	838626
Operable Unit:	01
Material ID:	539338
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MANHOLE 14413 (Continued) **S104950693**

Tank Test:

SPILLS:

Facility ID:	0403163
DER Facility ID:	162666
Facility Type:	ER
Site ID:	195222
DEC Region:	2
Spill Date:	6/22/2004
Spill Number/Closed Date:	0403163 / 9/23/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	6/22/2004
CID:	41
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2004
Spill Record Last Update:	9/23/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	e2mis no 153985U.G. REPORTS FINDING APPROX 2 QTS OF AN UNKNOWN OIL ON APPROX 1000 GALS OF WATER. PCB SAMPLE TAKEN. Lab Sequence Number: 04-04877-001PCBs < 1 ppmTHE SAMPLE HAD THE PCB SURROGATE OUT OF THE QC LIMITS. RE-EXTRACTION AND RE-ANALYSIS WAS NOT POSSIBLE SINCE ALL OF THE ORIGINAL SAMPLE WAS UTILIZED. THE REPORTED PCB VALUE IS THE MINIMUM CONCENTRATION DETECTED IN THE SAMPLE.STANFORD ENVIROMENTAL OPS REPORTS EATHREN SUMP IN STRUCTURE.UPDATE: 22-JUN-2004 STANFORD REPORTS DOUBLE WASHED STRUCTURE WITH BIO GEN 760. REMOVED ALL LIQUIDS. SEALED SUMP.
Remarks:	2 quarts unknown oil - earthen sump found in manhole. Queens Plaza North at Crescent Street.

Material:

Site ID:	195222
Operable Unit ID:	886628
Operable Unit:	01
Material ID:	490758
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported

MANHOLE 14413 (Continued) **S104950693**

Material FA:	Petroleum
Quantity:	2
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

212
NW
1/4-1/2
0.425 mi.
2242 ft.

Relative:
Higher

Actual:
18 ft.

STRUCTURAL DISPLAY CO., INC **NY LTANKS** **S103824757**
12-12 23RD AVENUE **N/A**
LONG ISLAND CITY, NY 11106

LTANKS:

Site ID:	164528
Spill Number/Closed Date:	9814023 / 9/5/2012
Spill Date:	7/7/1998
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2/19/1999
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/19/1999
Spill Record Last Update:	9/5/2012
Spiller Name:	Not reported
Spiller Company:	1212 43RD AVE
Spiller Address:	1212 23RD AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	138718
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"4/12/04-Vought-Spill transferred from Tomasello to Rommel as per Rommel.04/11/06 - DER rem Bureau E staff sent out RFI letter to site owner (Rwz LLc). Department gave owner until 4/28/06 to respond.04/20/06 - Staff received call from Liam Horgan (212.785-0266 liam@art-corp.net), Assessment Resources & Technologies, Inc. (hired by owner), indicated he would send site data to Department. ORC remediation of groundwater is ongoing. 07/19/06 - Staff received

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

remedial summary report from Assessment Resources & Technologies, Inc. (A.R.T., Inc.). Report indicates site has been treated with ORC using injection field of wells since October 2003. The reports indicates that the ORC Injection Field is effectively remediating the groundwater contamination. Additional monitoring well sampling is planned for August 2006. 08/14/06 - DER, Bureau E staff received call from Bob Corroon (representing RWZ LLC)requesting status of site closure by Department. Staff indicated project transferred back down to region 2. It is anticipated that they willl review data gathered in August and make a determination as to whether or not site can be closed.05/29/07 - DER, Bureau E staff received call from Bob Corroon (representing RWZ LLC)(rcorroon@ix.netcom.com and (212)751-4620, ext 103) requesting status of site closure by Dept and an interest to close spill. Evidently, property is up for sale. Staff indicated project transferred back down to Region 2. Staff to provide Mr. Corroon with Regional project contact. Staff provided information to Mr. Corroon, via email, in P.M. on May 29.10/24/07-Zhune discussed with Randy and based on the data he asked me to transfer this case to the remediation group. 02/20/08 - Debra Shapiro, consultant for the current site owner called and asked about the report prepared by ART company to make further recommendations of investigation, remedy or closure. Debra stated ART's report was prepared by ART for the previous site owner and she does not have it. I asked Zhune to locate report if available.6/4/2008 Mimi from ELM (212-581-8023 ext 3) called to ask about the status of the report. She sent another copy of her companies plan in early May 2008. After the call Sangesland tracked the report to Vadim's office. Mimi will contact Vadim to set up a new case manager and a file review by DEC.6/4/08 DEC Case Manager transferred from V. Brevdo to J.A. Maisonave. - JAM6/26/08 Telephone conversation with Mimi R. from ELM. We discussed rpt dated May 5, 2008. Conceptual remedy is to excavate two areas of soil contamination. Latest GW results are from July 2007, and suggest no adverse impacts to GW. DEC suggests that an up to date round of GW samples be collected to verify. We will schedule a meeting when GW sample results are available. Rpt is uploaded to eDocs as three different files. - JAM7/18/08 Received a memo today via email from ELM summarizing groundwater sampling results for the July 7, 2008 sampling event. Minor concentrations of VOCs were detected in the wells downgradient of the former tank field (Benzene detected at 363ug/L and total VOCs at 571ug/L in well MW-1(ART)). Memo uploaded to eDocs. - JAM7/23/08 Meeting held at Region 2 offices on July 22, 2008.Attendence:Joseph Maisonave, NYSDECJonathan Kolleeny, NYSDECMimi Raygorodetsky, ELMDik Glass, RLIC RealtyMichael DelCioppo, RLIC RealtyMeeting was held to discuss future remedial plans for site. ELM's first proposal was to excavate two areas of site; northwest corner and north central areas have soil contamination.Issues:1) The northwest corner of the site, location of the two former USTs, has residual soil (from 10'-18') and groundwater contamination (Benzene and MTBE detected in July 2008 sampling event). ELM will excavate the area but requests leaving a 1:1 slope on the sidewall adjacent to the sidewalk to eliminate the requirement to shore and stabilize the sidewalk.The NYSDEC does not suggest leaving a 1:1 slope because the most contaminated soil (based on boring logs and analytical sampling) will be left in place. The NYSDEC requests a proposal to fully address soil contamination in the northwest corner.2) The north-central area of the site contains 2 oil/water separators and petroleum impacts were observed in the field, however, laboratory

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

data were returned with no exceedences for VOCs. ELM requests leaving that soil in place after removing the oil water separators.The NYSDEC requests that two groundwater monitoring wells be installed directly downgradient from the oil water separators and sampled to be sure that groundwater is not impacted. Grossly contaminated soil should be removed when removing the oil/water separators and end-point soil samples should be collected.I expect a summary report for the installation of the two wells with groundwater analytical results and a remedial action proposal for the soil in the northwest corner of the site. - JAM8/25/08 Spoke to Mimi R. today. The current structure foundation was removed as well as two oil water separators and 1 UST. No end-point samples were collected. ELM is proposing doing GPR to locate more potential USTs and installing the 2 downgradiet monitoring wells that the DEC requested in the last meeting. - JAM9/18/08 Reviewed the Spill Investigation and Remediation Work Plan dated Sept. 3, 2008 submitted by ELM. The work plam proposes the following:1. Use ground-penetrating radar to conduct a geophysical survey and to determine whether there are any remaining underground tanks.2. Advance a minimum of 3 soil borings, one in each location of two oil/water separators and one UST, which were removed during deconstruction of the former building.3. Install two monitoring wells in the northeast portion of the site.4. Inject RegenOx in the area of the former USTs in the norhtwest portion of the site.I sent an approval letter today with one requirment. Confirmatory soil sampling must be performed subsequent to the RegenOx injections. Soil borings should be advanced as close as possible to former "T" boring locations to collect confirmatory samples.ELM also plans to install a vapor barrier and a passive venting system beneath the foundation of the new structure, which will be built on the northern portion of the site. The rest of the site will be capped with either asphalt, concrete of clean fill. The work plan and the approval letter are uploaded to eDocs. - JAM9/22/08 ELM notified Dennis McChesney at the EPA about the RegenOx injection, as per EPA UIC Program regulations. EPA will review and respond. - JAM10/03/08 Visited the site today. ELM advanced 5 soil borings yesterday and installed the two monitoring wells along 43rd Ave today. Visibly contaminated soil and odors were observed in each soil boring, however PID readings were relatively low (max reading was around 200ppm). Soil samples were taken at each boring from the interval with the highest PID reading, which was directly above the water table at each boring location. The RegenOx injection will occur when EPA UIC Program approval is given. - JAM10/20/08 Spoke with Rich Kampf at ELM. ELM proposes to expand the RegenOx injection area to include the "D-boring" area. I verbally approved this proposal and asked for a formal addendum to the remedial work plan. I requested that ELM submit the supporting calculations for the amount of RegenOx to be injected. I also requested the Investigation Summary Report from work performed in early October 2008 be submitted as well. - JAM10/29/08 Reviewed the Addendum to Spill Investigation and Remediation Work Plan submitted by ELM dated October 29, 2008. This addendum summarizes investigations performed on October 2 and 3, 2008 as per the approved work plan date September 3, 2008. ELM advanced 5 soil borings (SB-1 through SB-5) and installed 2 monitoring wells at locations SB-4 and SB-5. Evidence of soil contamination was found near the water table (interval 10-15 feet) in all soil borings. Compounds detected were Ethylbenzene, Xylenes and Naphthalene. Groundwater contamination was observed in both wells MW-4 and MW-5. Compounds detected were

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

Benzene, Ethylbenzene, Xylene and Naphthalene. Please see table in report for concentrations.ELM proposes expanding RegenOx injections to address contamination observed in this area (D-boring area). ELM will inject 200lbs of RegenOx in each of 23 injection points. A total of 4,200 lbs of RegenOx will be injected at the D-boring area. Rpt is uploaded to eDocs.I sent a letter today approving this work plan. Confirmatory soil and groundwater sampling must be conducted quarterly beginning one month after the RegenOx injections to evaluate its effectiveness. Approval letter uploaded to eDocs. - JAM10/30/08 RegenOx injections commenced in the T-boring area today. I visited the site to witness the first injection point. ELM estimates the injections will take 8 days for both the T-boring and D-boring areas. - JAM12/10/08 Received call from Mimi Raygorodetsky and follow-up email was received from Nicole Gorelick. ELM will perform confirmatory soil & GW sampling at site on 12/11/08 and 12/12/08 to evaluate effectiveness of RegenOx injections. Email is uploaded to eDocs. - JAM12/15/08 Received a call from Nicole Gorelick at ELM. Soil borings were advanced in the T-boring area and the D-boring area on Friday, 12/12/08 to evaluate the effectiveness of the RegenOx injections. When trying to sample wells ELMMW-5 and MW-1 (ART), they appeared to be damaged from construction activities on-site and could not be sampled. Ms. Gorelick said she will be back at the site tomorrow to sample wells MW-2 (ART), MW-3 (ART) and ERMMW-5. A summary report will be submitted when results are available. - JAM12/16/08 Visited site today. I walked site with Mimi Raygorodetsky and Nicole Gorelick from ELM and saw 5 wells, two of which were damaged by construction activities (MW-1 ART and ELMMW-4). I said that these monitoring wells may need to be reinstalled based on results from other 3 monitoring wells, which were sampled today. A rpt summarizing soil samples collected last week and GW samples collected today will be submitted. - JAM1/12/09 Received an email report today from ELM titled Post-Injection Effectiveness Monitoring. ELM completed the in-situ chemical oxidation using RegenOx from October 30 through November 12, 2008. The effectiveness monitoring consisted of collecting soil samples from five soil borings and groundwater samples from accessible wells on- and off-site.Monitoring wells ELM MW-4, MW-2(ART) and MW-3(ART) were sampled on December 16, 2008. MW-1 (ART) and ELM MW-5 were not sampled because they were destroyed by construction activities on-site. Groundwater quality improved significantly in well ELM MW-4, however, groundwater quality in MW-2 (ART) showed increases for Benzene and MTBE. VOC concentrations in MW-3(ART) remained non-detect.Soil samples showed some improvement post-injection, however there were also increases in some conpounds that ELM attributes to sample variability and intervals between separate sample events were not exactly duplicated.Since the overall soil and groundwater conditions improved, ELM proposes that no additional injection rounds be performed in the T and D boring areas. ELM says that ELM MW-1 will be replaced within the next two weeks and groundwater monitoring events will continue. Email report uploaded to eDocs. - JAM1/14/09 Emailed Mimi Raygorodetsky at ELM and said that DEC would like to see GW results from replacement well MW-1 before determining if future injections are not necessary. - JAM1/15/09 Received a call from Nicole Gorelick at ELM. They will be reinstalling well MW-1 tomorrow morning and sampling the well next Friday. - JAM2/3/09 Received an email from Mimi Raygorodetsky at ELM on 2/2/09. Monitoring well ELM MW-1R was installed on January 16, 2009 to replace the previously

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

destroyed well ART-MW-1. ELM MW-1R was installed out of the building footprint and approximately 10 feet away from the previous well (see figure). The well was sampled on January 23, 2009 and while purging, petroleum odors and a sheen were observed. Groundwater sample results showed eight VOCs detected above TOGS. Most notable was Benzene at 267ug/L.Since sediments was noted in well ELM MW-4 during the last sampling event, ELM attempted to purge the well on January 19. 2009. While purging, petroleum odors and a sheen was observed.I spoke with Mimi today and sent a follow-up email which stated:"I have reviewed the data you have provided in the last two emails. The DEC will not require additional remediation at this time; however, quarterly groundwater monitoring should continue for at least two additional events and monitoring reports should be submitted to the DEC for review. Based on those groundwater results, additional sampling may be required."ELM's email is uploaded to eDocs. - JAM7/15/09 Received a "Remedial Action Report" prepared by ELM dated June 26. 2009. The report summarizes all investigative and remedial work performed on-site to date, including a summary of the Phase I and Phase II Site Investigations. The following is included in the report:Section 3 REMEDIATION1. Pre-demolition removal of ASTs, one 1,200-gallon lube oil UST, sediment from trenches and drains within the on-site structures and oil and sludges from the oil-water separators located on-site - Jan 2008.2. Removal of 2 oil-water separators and an adjacent UST during demolition from the D-boring area - July 2008.3. RegenOx injection program - Oct 3 - Nov 12, 2008.4. Effectiveness monitoring of soil and groundwater - Dec 2008.5. Re-installation and sampling of ELM-1R in the T-boring area - Jan 2009.6. Soil excavation and removal for construction purposes - Nov 2008 - Feb 20097. Installation of passive SSDS - Feb 20098. Installation of a 15-ml poly sheeting soil vapor barrier - Feb 2009.9. Capping of the site with impermeable surfaces and clean fill in landscaped area - Scheduled for Spring 2009.10 Qrtly GW monitoring - Ongoing.The report is uploaded to eDocs without the Attachments. - JAM7/21/09 Reviewed the Quarterly Groundwater Sampling Report submitted by ELM on July 1, 2009. On April 24, 2009, groundwater samples were collected from groundwater monitoring wells ART MW-2 and ART MW-3. ELM-MW-1R was found to be filled with sediment and could not be sampled and ELM-MW-5 was destroyed during construction activities. ELM-MW-4 contained 1.1 feet of free product and could not be sampled. Total VOC concentrations from ART-MW-2 and ART-MW-3 are 108ug/L and 46ug/L, respectively. Report uploaded to eDocs.I called Mimi Raygorodetsky at ELM today to discuss future work. Mimi said that on Friday, July 24, 2009, ELM will perform another round of groundwater sampling, collect a sample of the product for fingerprint analysis, and perform the first product recovery event. Product recovery will be performed weekly, thereafter. I also requested that at least 3 monitoring wells be installed. Two to replace the destroyed wells ELM-MW-1R and ELM-MW-5, and one to installed downgradient and across the street of ELM-MW-4 and ELM-MW-5. I also requested that an up-to-date groundwater flow direction be calculated.ELM will submit a work plan to reinstall the wells within 2 weeks. - JAM8/31/09 Reviewed the Spill Investigation and Remediation Work Plan submitted by ELM dated August 7, 2009 and submitted via email on August 18, 2009. ELM proposed gauging and bailing product from well ELMMW-4 on a weekly basis and to collect a sample of the product for fingerprint analysis. The first gauging and bailing event occurred on July21, 2009. A sample of the product was collected on that date as

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well.Additional work includes reinstalling monitoring wells ELMMW-1R and ELMMW-5 that were destroyed during construction of the new building. An off-site monitoring well will be installed down-gradient and across the street from ELMMW-4.I wrote a letter today approving the work plan with the following adjustments:1.Vacuum enhanced fluid recovery should be implemented on ELMMW-4.2.At least one additional monitoring well should be installed approximately 15 to 20 feet to the east of well ELMMW-4 to delineate the free product plume. If product is encountered in this well, another well should be installed further to the east.3.Soil sampling should be conducted during installation of the well across 43rd Avenue and the well to the east of well ELMMW-4. Soil should be continuously screened with a PID. Two (2) soil samples should be collected from each well for laboratory analysis: one sample from the soil interval with the highest PID reading, and another sample from the interval directly above the water table. If there are no elevated PID readings, only the sample from above the water table need be collected.The work plan and my approval letter are uploaded to eDocs. - JAM10/1/09 Received Quarterly Groundwater Monitoring Rpt for 3rd Qtr 2009 submitted by ELM via email on 9/30/09 and dated 8/28/09. GW samples were collected from wells ART MW-2 and ATR MW-3 on July 24, 2009. Wells ELM MW-1 and ELM MW-5 were not sampled because they were destroyed and well ELM MW-4 was not sampled because it contained 3.3 feet of free product. Sample results showed very minor levels of dissolved phase VOCs in ART MW-2 and ART MW-3. ELM states that there was an overall reduction in VOCs since RegenOx injection. Report with sample result tables is uploaded to eDocs.ELM has been monitoring the wells weekly for free product and, if free product is detected it is being hand bailed. On 10/1/09 I visited the site to observe the first vacuum enhanced fluid recovery event on well ELM MW-4. Additional wells will be drilled as per my letter dated 8/31/09. A summary report of all product gauging and recovery events will follow. - JAM10/16/09 Received updated weekly product recovery table submitted by ELM. On October 15, 2009, well ELM-MW-4 contained 0.22ft of free product, which was recovered using a bailer. The delineation wells are scheduled to be installed on Monday, October, 26. - JAM10/23/09 Received updated weekly product recovery table submitted by ELM. On October 22, 2009, well ELM-MW-4 contained 0.19ft of free product, which was recovered using a bailer. Delineation wells will be installed next week 10/26 through 10/28. - JAM10/28/09 Visited site today to observe install'n of 4 additional monitoring wells. At time of my visit, three wells were installed and none showed any signs of contamination. Next week all wells will be surveyed and sampled for dissolved phase contamination. - JAM12/2/09 Reviewed the Product Recovery Table submitted by ELM on 11/20/09 and 12/2/09. The last three recovery events are tabulated below:Date Prod. dpth DTW P.Thck Final DTW Prod Removed10/29/09 16.35 16.53 0.18 16.86 0.4 11/18/09 14.33 14.46 0.13 14.58 0.2 12/2/09 14.46 14.62 0.16 14.75 1.2 ELM will continue to visit the site to recover product weekly. A report will be submitted summarizing the installation of the additional monitoring wells. - JAM3/19/10 Reviewed Well Install'n and Quarterly Groundwater Sampling Rpt for 4th Qtr 2009 submitted by ERM, dated Dec. 17, 2009. On October 27 and 28, 2009, 2 new monitoring wells and 2 replacement wells were installed. Soil samples were collected from new wells only because soil data is already available for replacement wells. According to data, no VOCs or SVOCs were detected that exceeded SCOs in either of newly installed monitoring wells. Free product also was not observed in any of 4

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newly installed wells.Groundwater samples were collected from all accessible wells without product on November 4, 2009 (ELM MW-4 was not sampled because it contained free product). No VOCs or SVOCs were detected in groundwater samples from ELM MW-6 and ELM MW-7 exceeding NYSDEC TOGS. The other wells each contained several VOCs, with some VOC concentrations exceeding TOGS.On October 1, 2009, ERM performed one VEFR event on well ERM MW-4 and removed approx. 50 gallons of free product/water mixture. ERM recommends continuing to sample GW quarterly for at least 2 more quarters. Product continues to be bailed from ERM MW-4 on a weekly basis. Well Installation and Quarterly Groundwater Sampling Report is uploaded to eDocs. - JAM3/19/10 Received call from Mimi Raygorodetsky and Jesse Mausner at ERM. In Feb. 2010, approx. 1.5 feet of free product was measured in well ERM-MW-4. ERM plans to schedule another VEFR event. I advised ERM to install more wells and/or soil borings in close proximity to well ERM MW-4 to determine where product originated from. Due to heavy rain events, product may have been desorbed from soil column near well ERM MW-4. Recommendations for future work will be included in next quarterly monitoring rpt (to be submitted). - JAM4/28/10 Reviewed the Quarterly Monitoring Report submitted by ELM dated April 8, 2010 submitted via email on April 16, 2010. Groundwater samples were collected on February 3, 2010 and results continue to show a reduction of VOCs in ELM-MW-1R, ART-MW-2 and ART-MW-3. The report does not summarize free product gauging and recovery events since April 2009. The next sampling event is scheduled for May 2010. Report uploaded to eDocs.I issued an email today notifying the RP that product monitoring and recovery should be performed monthly and that DEC should receive monthly updates. I also requested that the data from the monthly events be summarized in the quarterly monitoring/sampling reports. Email uploaded to eDocs. - JAM4/29/10 Received Free Product Remdiation Scope of Work submitted by ELM on April 28, 2010 via email. Work plan proposes using Laser Induced Fluorescence / Ultraviolet Optical Scanning Tool (LIF/UVOST) to delineate free product plume around ELM-MW-4. LIF/UVOST will be advanced into subsurface using direct-push geoprobe and will obtain real time scan of subsurface. ELM proposes installing permanent monitoring wells where mobil phase product is detected.I issued an approval letter on April 28, 2010 with the following requirements:1. Each boring should be extended to a depth 5 feet below the water table or the extent feasible since bedrock is shallow in the area.2. At any location where residual or free phase petroleum contamination is encountered, a permanent monitoring well should be installed. At a minimum, one monitoring well should be installed between existing wells ELM-MW-4 and ELM-MW-73. During monitoring well installation, soil should be continuously screened with a PID. Soil samples should be collected from the soil interval with the highest PID reading, and another sample from the interval directly above the water table. If there are no PID readings but contamination was detected using UVOST, then a soil sample should be collected from depth intervals where UVOST detected contamination.The work plan and approval letter are uploaded to eDocs. - JAM5/7/10 Site Visit. LIF/UVOST investigation completed today with six borings advanced around ELM-MW-4. Free phase product was observed in four of the six borings around well ELM-MW-4. Three monitoring wells will be installed and soil and grounwater samples will be collected.Product is delineated toward the street. Product most likely extends beneath the building. A summary report will be submitted when soil and groundwater sample results are

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

returned. -JAM6/8/10 Spoke to Emily from ELM today. All the wells were gauged this month and approx. 5 inches of product was contained in well ELM-MW-4. She will submit a letter documenting the gauging event and will include a submission date for the investigation summary report. - JAM03/01/11: This spill case transferred from J. Maisonave to J. Kolleeny. Reviewed LNAPL Remediation Rpt by ELM, dated 2/17/11 (in eDocs). Rpt presents product gauging data and GW sampling data, showing free product in well ELM-MW4 has been reduced to 0.08 ft; most notable dissolved-phase impact was in well ELM-MW-1R2, which had 100 ug/L of benzene in Oct. 2010 (up from 65 ug/L benzene in July 2010). Rpt requests spill closure. I sent letter (in eDocs) to Michael Del Cioppo, cc's to Dik Glass, Emily Guyer & Mimi Raygorodetsky, saying spill cannot yet be closed due to measurable free product and other impacts; required continued product recovery (suggested by vac truck), and quarterly GW sampling, until no measurable product in wells, at which point spill closure will be reconsidered. - J. Kolleeny08/23/11: On Aug. 5, 2011, spoke with Emily Guyer of ELM (consultant), discussed various approaches to product recovery and conditions for spill closure. She suggested use of absorbent socks to remove product from well MW-4, which has persistent small amounts of product (several inches). I agreed to give this a try, since she indicated that vac truck was not very effective and constant use would be cost prohibitive. I also requested GW sampling on at least semi-annual basis. On 8/15/11, received email from Ms. Guyer with attached memo (in eDocs) summarizing our discussion and proposing use of absorbent socks and semi-annual sampling as remedial approach moving forward, and stating that once sufficient data are collected, ELM will re-evaluate effectiveness of this approach. On 8/23/11, I sent email (in eDocs) to Michael Del Cioppo, cc's to Emily Guyer, Mimi Raygorodetsky & Pete Zimmerman of ELM, approving this proposal. - J. Kolleeny07/25/12: Received phone call from Mimi Raygorodetsky of ELM, stating that they've been following approved plan of absorbent socks/manual bailing of traces of product in well MW-4, and as of April 2012, there has been no LNAPL in well; they then performed a round of GW sampling and found very low VOC levels (below TOGS); she stated they will submit a letter rpt summarizing product recovery work, GW sampling results, and requesting spill closure. - JK08/08/12: Received email from Mimi R. of ELM, asking if I've had chance to review closure request rpt she sent over on 7/25/12. I responded that I never received rpt. She determined that because rpt pdf file, sent by email on 7/25/12, was "secured" (ELM does this for all their pdfs that have an electronic signature), DEC's servers would not accept email with attachment. She unsecured rpt and re-sent. Will review. - J. Kolleeny08/20/12: After review of ELM's Product Recovery Rpt and Request for Spill Closure dated 7/23 12 (in eDocs), I sent email to Mimi Raygorodetsky on 8/15/12 noting that rpt contains inconsistencies in text and graph regarding product thickness, in hundredths of inches vs. hundredths of feet. Mimi replied that my observation is correct; they will revise rpt and re-issue under cover name of Integral Consulting, which has taken over ELM. - J. Kolleeny09/05/12: On 9/4/12, received Revised Product Recovery Rpt and Request for Spill Closure by Integral Consulting, Inc., dated 8/27/12 (in eDocs). Rpt summarizes measurement and recovery of free product in well MW-4 since DEC approved use of absorbent socks to address product in that well, and results of round of GW sampling performed on 6/6-7/12. Rpt presents graph showing product thickness

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

in inches from 7/26/11 through 5/21/12, with measurements fluctuating from about 2.5 to 4.5 inches until 4/1/12, after which product thickness decreased dramatically and then was non-detect for 4 events. Text states that 1.08 inches of product (i.e., 0.09 ft) were detected on 4/13/12, but that no measurable product has been detected in well for four separate events since 4/19/12. GW samples collected in June 2012 from 6 on-site and 4 off-site wells (including well MW-4) showed low levels of VOCs in several wells, up to about 70 ug/L total VOCs in ELM-MW-5R. These minor impacts appear to be adequately delineated by clean (or nearly clean) sentinel wells, indicating there is no off-site migration of contamination. Based on absence of measurable free product in MW-4 for 4 consecutive gauging events and minor, delineated residual dissolved GW impacts with no off-site migration, Integral requests spill closure. On 9/5/12, I closed spill case and sent spill closure letter (in eDocs) by email to Michael Del Cioppo, cc's to Mimi Raygorodetsky, James L'Esperance & Pete Zimmerman of Integral, advising in email that DEC should be notified when wells have been decommissioned and provided with documentation of this. - J. Kolleeny

Remarks: TESTED TANK. TANK FAILED.

Material:

Site ID:	164528
Operable Unit ID:	1074904
Operable Unit:	01
Material ID:	310729
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	164528
Spill Tank Test:	1546863
Tank Number:	Not reported
Tank Size:	10000
Test Method:	99
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Alternate Test per 613.5a2v

213
WNW
1/4-1/2
0.428 mi.
2262 ft.

INTERNATIONAL MASONRY INS
12-07 44TH AVE
LONG ISLAND CITY, NY

NY LTANKS **S105055142**
N/A

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	197925
Spill Number/Closed Date:	0103153 / 3/31/2006
Spill Date:	6/21/2001
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/21/2001
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/21/2001
Spill Record Last Update:	3/31/2006
Spiller Name:	DENNIS HOLLOWAY
Spiller Company:	INTERNATIONAL MASONRY INS
Spiller Address:	12-07 44TH AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	DENNIS HOLLOWAY
Spiller Phone:	(718) 706-9139
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	164722
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"12/30/02 TJDInternational Masonary Institute contacted to provide a summary of activities at site including complete analytical data from sampling event. Fax transmission with incomplete data had been received. Demeo left message with John Cozultini who will have the appropriate individual repond to NYSDEC request for addional information.1/2/02 TJDDennis Holaway (International Masonary Institute) called today in response to DEC request for additional information. A complete set of laboratory data faxed to DEC this morning. Lab analysis reveals chemical concentrations above TAGM. Remedial work is required.Tank is reportably a 2,500 gal UST buried inside building. No PBS registration is found for this address. Mr. Hollaway was provided contact information for (5) environmental contractors. A contractor will be selected and a work plan submitted.Based on 11/28/01 tank closure report - which indicated only SVOC contamination - and 10/5/01 DEC Region 2 telephone conference which requested soil borings per approved work plan, additional borings were advanced and analyzed and determined that fill across site placed during construction of building was contaminated with low level SVOC's. Case closed.

INTERNATIONAL MASONRY INS (Continued) **S105055142**

Remarks: Not reported

Material:
Site ID: 197925
Operable Unit ID: 839740
Operable Unit: 01
Material ID: 535248
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 197925
Spill Tank Test: 1526410
Tank Number: 1
Tank Size: 3000
Test Method: 03
Leak Rate: 0
Gross Fail: F
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

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214 West 1/4-1/2 0.432 mi. 2279 ft.

Relative: Lower

Actual: 13 ft.

ANDREA ELECTRONICS **NY LTANKS S102959964**
11-40 45TH DRIVE **NY MANIFEST N/A**
LONG ISLAND CITY, NY

LTANKS:
Site ID: 179039
Spill Number/Closed Date: 9709895 / 12/17/2002
Spill Date: 11/25/1997
Spill Cause: Tank Test Failure
Spill Source: Non Major Facility > 1,100 gal
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 11/25/1997
CID: 282
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0

ANDREA ELECTRONICS (Continued) **S102959964**

Date Entered In Computer: 11/25/1997
Spill Record Last Update: 3/4/2003
Spiller Name: ANDREW FALINO
Spiller Company: ANDREA ELECTRONICS
Spiller Address: 11-40 45TH DRIVE
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller County: 001
Spiller Contact: ANDREW FALINO
Spiller Phone: (718) 729-8500
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 150284
DEC Memo: Not reported
Remarks: Anthony Sigona from DEC was on the scene also.tank failed the test he did not get the name of the electrical manufacturing factory PBS number is 2-195383

Material:
Site ID: 179039
Operable Unit ID: 1052939
Operable Unit: 01
Material ID: 328224
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 179039
Spill Tank Test: 1545485
Tank Number: 1
Tank Size: 10000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

NY MANIFEST:
EPA ID: NYD001360692
Country: USA
Mailing Name: ANDREA RADIO
Mailing Contact: ANDREA RADIO
Mailing Address: 11-40 45TH ROAD
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11104
Mailing Zip4: Not reported

ANDREA ELECTRONICS (Continued) **S102959964**

Mailing Country: USA
Mailing Phone: 718-729-8500

NY MANIFEST:
No Manifest Records Available

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215 West 1/4-1/2 0.437 mi. 2307 ft.

Relative: Lower

Actual: 12 ft.

11-15 45TH AVENUE **NY LTANKS** **S102672507**
11-15 45TH AVENUE **N/A**
LONG ISLAND CITY, NY

LTANKS:
Site ID: 265495
Spill Number/Closed Date: 9402499 / 5/20/1994
Spill Date: 5/20/1994
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 5/20/1994
Cleanup Meets Standard: True
SWIS: 4101
Investigator: CAMMISA
Referred To: Not reported
Reported to Dept: 5/20/1994
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/25/1994
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported
Spiller Company: GOTHAM PETRO
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 216332
DEC Memo: Not reported
Remarks: SPILL CONTAINED ON SIDEWALK - CLEAN UP CREW ON SCENE (GOTHAM).

Material:
Site ID: 265495
Operable Unit ID: 996297
Operable Unit: 01
Material ID: 382692
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum

11-15 45TH AVENUE (Continued) **S102672507**

Quantity:	-5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

216
North
1/4-1/2
0.437 mi.
2308 ft.

Relative:
Higher

Actual:
27 ft.

GULF MOKIN GAS **NY LTANKS** **S106124280**
23-01 41ST AVE **NY Spills** **N/A**
LONG ISLAND CITY, NY

LTANKS:

Site ID:	237638
Spill Number/Closed Date:	0308076 / 1/7/2004
Spill Date:	10/30/2003
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	10/30/2003
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	10/30/2003
Spill Record Last Update:	2/6/2004
Spiller Name:	Not reported
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	777 DEDHAM ST
Spiller City,St,Zip:	CANTON, MA 02021-
Spiller County:	001
Spiller Contact:	BRIAN BERKLE
Spiller Phone:	(610) 278-7203
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	195731
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "K FOLEY"12/15/03 Letter addressed to Sigona from Environmental Systems Group. On 10/30/03, Crompco conducted precision test on tanks. One 4000gal diesel UST failed the test. Energy Storage Systems reviewed the test data and suggested the test technician failed to plug the air eliminator on the pumps and therefore the tanks failed. On 12/9/03, Crompco retested the tanks and plugged the air eliminator and the tank passed.12/19/03Spoke to Andy at Energy Storage systems.As per Sigona’s recommendation, he will submit a report

GULF MOKIN GAS (Continued) **S106124280**

summarizing the first and second testing episodes. Rommel12/23/03
Received letter from Mort Turoff at Energy Storage systems
summarizing first and second tests. Diesel tank passed on 12/9/03
retest. Results on file. (KMF)1/9/04 Sent NFA. (KMF)
Remarks: liquid level failure

Material:
Site ID: 237638
Operable Unit ID: 874384
Operable Unit: 01
Material ID: 568462
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 406141
Spill Number/Closed Date: 0808735 / 8/28/2009
Spill Date: 11/3/2008
Spill Cause: Tank Test Failure
Spill Source: Gasoline Station
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 11/3/2008
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/3/2008
Spill Record Last Update: 8/28/2009
Spiller Name: TJ OCONNOR
Spiller Company: GULF STATION
Spiller Address: 23-01 41ST AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 999
Spiller Contact: TJ OCONNOR
Spiller Phone: (516) 678-5115
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 195731

GULF MOKIN GAS (Continued) **S106124280**

DEC Memo: TTF1/15/09. J.Krimgold reviewed the letter-report submitted by Energy Fueling systems Corp and dated 12/22/08. According to the information provided in this letter, a 2000 gal tank failed the test due to a damaged (cut)vent pipe. The failed pipe was abbendoned in place and new pipe run was installed. Tank with pipe was retested and passed the test. NFA.
Remarks: TANK TEST FAILURE ON A 2000 GALLON UST. UNK IF ANY PRODUCT WAS SPILLED.

Material:
Site ID: 406141
Operable Unit ID: 1162749
Operable Unit: 01
Material ID: 2154029
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 406141
Spill Tank Test: 2486875
Tank Number: 1
Tank Size: 2000
Test Method: 21
Leak Rate: 0
Gross Fail: Not reported
Modified By: JMKRIMGO
Last Modified: 1/15/2009
Test Method: Horner EZY3/EZY3 Locator Plus

SPILLS:
Facility ID: 9611967
DER Facility ID: 195731
Facility Type: ER
Site ID: 298938
DEC Region: 2
Spill Date: 1/3/1997
Spill Number/Closed Date: 9611967 / 1/10/1997
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: KATZ
Referred To: Not reported
Reported to Dept: 1/3/1997
CID: 267
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Fire Department

GULF MOKIN GAS (Continued) **S106124280**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/3/1997
Spill Record Last Update:	9/23/2009
Spiller Name:	MR GOODE
Spiller Company:	C DAVISON TRUCKING
Spiller Address:	2824 AVE X
Spiller City,St,Zip:	BROOKLYN, NY 11235-
Spiller Company:	001
Contact Name:	FF REGAN
Contact Phone:	(718) 476-6288
DEC Memo:	Not reported
Remarks:	tank truck making a delivery to gas station and spilled 25 gallonsdue to air in the line gasoline is now in the sewer systemreq dec call back ff regan at 917-769-0483

Material:

Site ID:	298938
Operable Unit ID:	1039826
Operable Unit:	01
Material ID:	340614
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

217
SSW
1/4-1/2
0.453 mi.
2391 ft.

SPILL NUMBER 0208486 **NY LTANKS** **S105997319**
23-30 50TH AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Lower

Actual:
9 ft.

LTANKS:

Site ID:	268804
Spill Number/Closed Date:	0208486 / 11/17/2003
Spill Date:	11/15/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	11/15/2002

SPILL NUMBER 0208486 (Continued) **S105997319**

CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/15/2002
Spill Record Last Update:	11/17/2003
Spiller Name:	ANTHONY VERDERAM
Spiller Company:	Not reported
Spiller Address:	23-30 50TH AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	ANTHONY VERDERAM
Spiller Phone:	(718) 786-1100
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	218966
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"Sent tank test failure letter to Varderame. 11/15/2002 ARS11/14/2003-Vought-Reviewed report dated 6/26/03 from Verderame Realty (Bruce Bauer 718-786-1100). Site will no longer be using oil and will be converting to gas. Closure of a 2000-gallon #2 fuel oil UST and collection of post excavatin endpoint samples by Bluestone Environmental (Andrew Cozzi 732-469-5188). "The UST excavation base was at approximately 8 to 8.5 feet below the concrete floor". "The soil in the excavation was a fill that consisted of dark brown sand with construction debris such as bricks and pieces of concrete". Five soil samples were submitted for analyses for 8260/8270. Soil analyticals show two 1,3,5-trimethylbenzene exceedances up to 9110ppb, benzo(a)anthracene up to 1010ppb, benzo(a)pyrene up to 631ppb, benzo(b)fluoranthene up to 1110ppb, benzo(k)fluoranthene up to 579ppb, and chrysene up to 1210ppb. These exceedances are attributable to fill material. Spill closed by Vought after conference with DEC Rommel.
Remarks:	tank test failure - it will be cleaned and retested next week

Material:

Site ID:	268804
Operable Unit ID:	859901
Operable Unit:	01
Material ID:	565791
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	268804
Spill Tank Test:	1527719

SPILL NUMBER 0208486 (Continued) **S105997319**

Tank Number:	1
Tank Size:	2500
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

218
ESE
1/4-1/2
0.453 mi.
2391 ft.

Relative:
Higher

Actual:
31 ft.

32-32 QUEENS BLVD/SUNOCO **NY LTANKS** **S100145562**
32-32 QUEENS BLVD **N/A**
NEW YORK CITY, NY

LTANKS:

Site ID:	310058
Spill Number/Closed Date:	8905358 / Not Reported
Spill Date:	8/30/1989
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	4/9/2004
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	RJFENG
Referred To:	OFFSITE IWP AND A RAWP DUE 1/13/2012
Reported to Dept:	8/30/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	1
Date Entered In Computer:	8/31/1989
Spill Record Last Update:	7/26/2013
Spiller Name:	Not reported
Spiller Company:	SUNOCO AA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	250287
DEC Memo:	3/94: MW-4 had a sheen of product. MW-1 had 7500 ppb, MW-2 had 9600 ppb and MW-3 had 350 ppb of benzene.8/94: Installed MW-5,6 & 7. MW-4 had 0.19 ft of LPH. Depth to water 13 ft. The SVE system is operable and manifolded to MW-2,3 & 4. MW-1 had 3000 ppb, MW-2 had 5200 ppb, MW-3 had 360 ppb, MW-5 had 1400 ppb, MW-6 had 590 ppb and MW-7 had 24 ppb benzene. Sunoco will investigate and submit current tank test results. 12/10/2003 Reassigned from Tipple to Sun.02/03/2004-Sun-File Update by Sun:Quarterly Monitoring and Sampling Report (October through December 2003), by EnviroTrac (Anthony Fiorentine,

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

631-471-1500): On 11/08/2003, liquid phase hydrocarbons (LPH) were detected in MW-4 at a thickness of 0.20 feet (ft.). The depth to water ranged from 22.78 ft. (MW-6) to 26.00 ft. (MW-4) below the surface on 11/8/2003. Six (6) wells (MW-1,2, 3, 5, 6 & 7) were sampled on 11/8/2003. BTEX concentrations ranged from not detected (ND) in 3 of the 7 wells to 58,000 micrograms per liter (ug/l) (MW-2).MTBE concentrations ranged from ND (MW-3) to 3,800 ug/l (MW-7). On 11/8/2003 and 12/21/2003, a three percent Biosolve surfactant and water solution was injected into MW-4. MW-4 was then han surged with a surge block and groundwater was removed from a down-gradient well (MW-7) with a submersible pump. LPH was not detected during the December 2003 short term remediation event (STRE).03/11/2004-Sun-File Update by Sun: On 03/10/2004, Sun sent a letter and Stipulation Agreement to Russell Hammond of Sunoco requiring complete delineation of soil and groundwater contamination, submittal of an Investigation Summary Report followed by a Remedial Action Plan. The Department set a deadline of March 31, 2004 for signing the Stipulation Agreement by the Respondent.10/31/05: Project reassigned from Sun to Andersen. Enhanced fluid recovery and Biosolve application are being utilized in two hotspots, MW2 and MW4.12/8/05: December 8 meeting between Sunoco, DEC, and EnviroTrac. Biosolve remediation is not very successful. EnviroTrac and Sunoco think that source may be present and plan to do soil borings to identify source. Soil is likely very heterogenous. Site is now a pay commuter parking lot, so work can only be done on weekends.1/4/06: Reviewed the quarterly report dated January 2006. Six wells sampled on November 20, 2005. Trace amounts of LPH in MW-4. Max BTEX 28,300 (MW-2) and 560 ppb (MW-2). Biosolve last used in August 2005. 5/3/06: Reviewed the first quarterly 2006 report. Wells sampled on 1/21/06. LPH is present in MW 4 at a depth of 0.25 ft. Max BTEX 22,900 in MW2. Max MTBE 91 ppb in MW7. Sent RAP required letter, due 7/3/06.8/18/06: Meeting on 8/17/06 with Sunoco, EAR, and NYSDEC. RAP submitted. Regenox will be used. Three monthly Regenox installations will be completed. Regenox will be injected into twelve temporary borings, with injection span the vertical interval 15 to 35 feet below grade. Monitoring wells will be gauged and sampled monthly during Regenox application. RAP approved.10/20/06: First mobilization to drill borings for Regenox application will occur on 10/21/06 8am-4pm.11/9/06: Second mobilization for Regenox application will occur on 11/11/06.12/18/06: Sent email to Jamie Brown of EAR to followup on status of next quarterly report. Received email from Jamie Brown:"The next report will be completed and submitted to you mid - January 2007. Please let me know if you have any other questions."2/13/07: Emailed Jamie Brown to followup on the status of the next quarterly report.2/20/07: Reviewed update report. Regenox in use. Wells sampled on 12/23/06. Max BTEX 58,900 ppb (MW4), max MTBE 220 ppb (MW7). LPH in MW2 at depth of 0.48 ppb. 3/23/07: Meeting on 3/22/07 with Sunoco, NYSDEC, and EnviroTrac. LPH appeared last quarter because the Regenox mobilized contaminants. The second phase of Regenox application may be scheduled for April 2007.4/13/07: Regenox application scheduled for 4/14/07.6/11/07: Received update report. Wells sampled on 3/24/07. Max BTEX 37,400 ppb (MW4), max MTBE 120 ppb (MW7). LPH in MW2 at a depth of 0.29 ft. Product recovered from MW2 and an absorbent sock put in well. Overall decrease in contaminant concentration. 10/12/07: Emailed Russell Hammond regarding overdue report.10/16/07: Received email from Russell Hammond. Report will be submitted by the end of this week.3/18/08:

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

Reviewed October 2007 - December 2007 Project Status Report. Max BTEX 47,100 ppb (MW4). Max MTBE 140 ppb (MW2). When will the next phase of Regenox application occur?3/19/08: Received email from Karen Waryas (Waryas@ENVIRO-ASMNT.COM):"Phase 2 of the Regenox application at SUN-LIC32-32 occurred in April andMay of 2007. It was mentioned in the June 2007 PSR, but regretfully wasnot put into the site history section of the September or December 2007PSRs. I apologize for this oversight, and it will be remedied forfuture submissions. I put in an inquiry with my supervisor today as towhen the third phase is expected to occur and will let you know as soonas I hear any information."5/15/08 - Carlson: Reviewed January - March 2008 Project Status Report. Wells sampled on 3/22/08. Maximum BTEX concentration 23,600 ppb (MW2). Maximum MTBE concentration 74 ppb (MW2). Geochemical parameters are being monitored to evaluate progress of Regenox. When will third phase of Regenox occur?9/4/08 - Carlson: Reviewed April - June 2008 Project Status Report. Wells sampled on 6/28/08. Maximum BTEX concentration 31,800 ppb (MW2). Maximum MTBE concentration 110 ppb (MW7). General increase in contaminant concentrations. When will third phase on Regenox application occur?10/8/08 - Carlson: Meeting with Russell Hammond of Sunoco and Karen Waryas of EAR. Regenox won't be used again. Workplan for soil borings due by 10/30/08. A new RAP will be required afterwards. 11/5/08 - Carlson: Received email with Subsurface Summary letter. Email stated that a workplan will be submitted in two weeks.12/22/08 - Carlson: Reviewed July 2008 - September 2008 Project Status Report. Wells sampled on 9/20/08. Maximum BTEX concentration 29,700 ppb (MW2). No mention of overdue workplan in report. Emailed Karen to followup on workplan submittal.12/29/08 - Carlson: Received email from Karen. Workplan will be submitted when Russell Hammond gets back from vacation.1/8/09 - Carlson: Approved investigation workplan for installation of three soil borings.1/28/09 - Carlson: Reviewed September 2008 - December 2008 Update Report. Wells sampled on 12/20/08. Maximum BTEX concentration 37,620 ppb (MW4). On-site borings will be completed.1/29/09 - Carlson: Meeting with Sunoco and Envirotrac.4/5/09 - Carlson: Received investigation letter-report dated April 8, 2009. Three soil borings installed. High soil impact in all borings. A workplan for additional soil delineation will be submitted by may 8th.5/22/09 - Carlson: Reviewed update report. Wells sampled on 3/28/09. Maximum BTEX concentration 37,700 ppb (MW4). Maximum MTBE concentration 64 ppb (MW2). Workplan for additional delineation overdue.6/1/09 - Carlson: Meeting held with Sunoco and EAR.6/5/09 - Carlson: Reviewed work plan dated 5/29/09. Five soil borings proposed. Sent email requiring revision workplan with 1) deeper minimum boring depth to account for smear zone and 2) continuous sampling of entire boring for all on-site borings except SB1. Revised work plan due in 30 days.8/6/09 - Carlson: Approved revised work plan. Investigation Report due in 90 days.10/6/09 - Carlson: Reviewed update report. Wells sampled on June 27, 2009. High dissolved concentrations in MW2 and MW4. No update on work plan implementation provided.12/3/09 - Carlson: Reviewed update report. Wells sampled on 9/19/09. Trace LNAPL in MW1. Maximum BTEX concentration 27,800 ppb (MW2). Investigation report overdue.12/8/2009 - Carlson: Meeting with Sunoco. Upgradient source?, access issue on upgradient property.3/18/2010 - Carlson: Received notification. Field work scheduled for 3/20/2010.3/19/2010 - Carlson: Reviewed October 2009 - December 2009 Quarterly Update Report. LNAPL sheen in MW1 in October 2009. However, low dissolved concentrations

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

in MW1 in December 2009. Field work cancelled, will probably be rescheduled for next Saturday.4/7/2010 - Carlson: Received notification - field work scheduled for 4/7 and 4/10.7/2/2010 - Carlson: Reviewed January - March 2010 update report and RIR. SB4 - SB 6 installed. Soil and gw impact in SB4. Three more borings will be installed, as per 7/17/09 work plan.9/9/2010 - Carlson: Reviewed April - June 2010 Quarterly Report. SB- 7 - 9 installed. Soil impact in SB- 4, 7, 8, 9. Issued letter requiring work plan for installation of three monitoring wells at SB-4, SB-7, and to the south of SB-9, and one soil boring adjacent to MW1. Due 10/11/2010.1/31/11 - Obligado - I reviewed an investigation workplan. The workplan didn't propose a well at SB7. I emailed a letter to Jaime Brown and Russel hammond requiring revised work plan with well at SB7. Due within 15 days.3/30/11 - Obligado - I reviewed a revised work plan which incorporated the changes I requested. Sent approval letter.11/28/11 - Carlson: Reviewed 2nd and 3rd Quarter 2011 Update Reports. MW8-10 installed. Groundwater impact in all three new monitoring wells. 11/30/11 - Carlson: Issued letter requiring an off-site delineation work plan and a remedial action plan by 1/13/2012.2/10/2012 - Carlson: Reviewed December 2011 update report. Delineation workplan and RAWP to be submitted.1/10/2013 - Reviewed 1Q2012 dated 4/2012, 2Q2012 dated 7/2012 and 3Q2012 dated 10/2012. DTW 22.57 (MW-7) to 28.44 (MW-8) on 9/15/2012. MW-6, 30 BTEX, 1.2 MTBE. MW-2, 25,100 BTEX, less than 140 MTBE. MW-9, 34,030 BTEX, less than 400 MTBE. MW-4, 18,399 BTEX, less than 250 MTBE. MW-8, 798 BTEX, less than 76 MTBE. MW-7, 2,790 BTEX, less than 100 MTBE. MW-1, 18.1 BTEX, less than 13 MTBE. MW-3, 10.3 BTEX, less than 21 MTBE. MW-10, 15,740 BTEX, less than 93 MTBE. 4/5/2013 - 4Q2012, 1/9/2013, by CGE. Groundwater sampled on 12/15/2012. DTW 22.87 (MW-7) to 28.62 (MW-8). NO LNAPL. MW-6, 96 BTEX. MW-9, 27,650 BTEX, less than 190 MTBE. MW-4, 23,210 BTEX, less than 280 MTBE. MW-8, 1,851 BTEX, less than 160 MTBE. MW-2, 24,220 BTEX, less than 62 MTBE. MW-7, 2,040 BTEX, 31 MTBE. MW-1, 22.4 BTEX, less than 9.0 MTBE. MW-10, 15,960 BTEX,, less than 150 MTBE.7/26/2013 - 1Q2013, 4/2013, by CGE. The monitoring was done on 3/23/2013. DTW 22.81 (MW-7) to 28.77 (MW-8). NO LNAPL. MW-6, 170 BTEX, 6.1 MTBE. MW-2, 21,780 BTEX, <76 MTBE. MW-9, 35,130 BTEX, <290 MTBE. MW-4, 22,684 BTEX, <270 MTBE. MW-7, 1,870 BTEX, <42 MTBE. MW-10, 10,440 BTEX, <110 MTBE.

Remarks: (5) 550 GALLON TANKS FAILED PETRO TITE WITH A LEAK RATE OF 0.737GPH, WILL EXCAVATE & TEST (5) MORE TANKS ON 8/31/89.

Material:

Site ID:	310058
Operable Unit ID:	930572
Operable Unit:	01
Material ID:	445794
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

Tank Test:

Site ID:	310058
Spill Tank Test:	1535939
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

219
NW
1/4-1/2
0.455 mi.
2402 ft.

MONARCH CONSTUCTION **NY LTANKS** **S102673327**
11-17 43RD AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	113903
Spill Number/Closed Date:	9516355 / 3/20/1996
Spill Date:	3/20/1996
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	3/20/1996
CID:	349
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/1996
Spill Record Last Update:	4/1/1996
Spiller Name:	FRANK ODONNELL
Spiller Company:	BAERENKLAU OIL CO
Spiller Address:	740 JAMAICA AVE
Spiller City,St,Zip:	BROOKLYN, NY 11208-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	99380
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	on pavement only - cleaned up

MONARCH CONSTUCTION (Continued) **S102673327**

Material:

Site ID:	113903
Operable Unit ID:	1027324
Operable Unit:	01
Material ID:	352872
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AP220 **SWINGSTELL, LLC** **NY UST** **U000407641**
East **32-00 SKILLMAN AVENUE** **NY HIST UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY AST**
0.460 mi. **NY BROWNFIELDS**
2428 ft. **Site 1 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

UST:

Id/Status:	2-032891 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2018/09/29
UTM X:	590061.99912000005
UTM Y:	4511134.5334999999
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	252
Affiliation Type:	Facility Owner
Company Name:	SWINGSTELL, LLC
Contact Type:	PERMIT COORD.
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM ST., 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 406-0030
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	On-Site Operator
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC

SWINGSTELL, LLC (Continued) **U000407641**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Emergency Contact
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Mail Contact
Company Name:	STELLAR MANAGEMENT
Contact Type:	Not reported
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM STREET
Address2:	10TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 843-3783
EMail:	KVAZQUEZ@STELLARMANAGEMENT.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/21/2013

Tank Info:

Tank Number:	0001
Tank ID:	27133
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	Not reported
Date Tank Closed:	05/08/2008
Registered:	True
Tank Location:	Underground

SWINGSTELL, LLC (Continued) **U000407641**

Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 09/03/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: dxliving
Last Modified: 07/02/2008

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None

HIST UST:
PBS Number: 2-032891
SPDES Number: Not reported
Emergency Contact: WILTON ATKINS
Emergency Telephone: (718) 729-9600
Operator: G. LOVETT
Operator Telephone: (718) 729-9600
Owner Name: ACCO USA,INC.
Owner Address: 32-00 SKILLMAN AVE
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 729-9600
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: ACCO USA,INC.
Mailing Address: 32-00 SKILLMAN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: MR. WILTON ATKINS
Mailing Telephone: (718) 729-9600
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: 32000 SKILLMAN AVE
SWIS ID: 6301
Old PBS Number: Not reported
Facility Type: MANUFACTURING
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 10/29/1997
Expiration Date: 10/23/2002

SWINGSTELL, LLC (Continued) **U000407641**

Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	20000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	11/01/1992
Next Test Date:	11/01/1997
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-032891
Program Type:	PBS
UTM X:	590061.99912000005
UTM Y:	4511134.5334999999
Expiration Date:	2018/09/29
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	252
Affiliation Type:	Facility Owner
Company Name:	SWINGSTELL, LLC
Contact Type:	PERMIT COORD.
Contact Name:	KATINA V. VAZQUEZ

SWINGSTELL, LLC (Continued) **U000407641**

Address1:	156 WILLIAM ST., 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 406-0030
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	On-Site Operator
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Emergency Contact
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Mail Contact
Company Name:	STELLAR MANAGEMENT
Contact Type:	Not reported
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM STREET
Address2:	10TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001

SWINGSTELL, LLC (Continued) **U000407641**

Phone: (212) 843-3783
EMail: KVAZQUEZ@STELLARMANAGEMENT.COM
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 10/21/2013

Tank Info:

Tank Number: 0002
Tank Id: 223944
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/01/2008
Capacity Gallons: 15000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 08/19/2013
Material Name: #6 Fuel Oil (On-Site Consumption)

BROWNFIELDS:
Program: BCP
Site Code: 57873
Site Description: The site is located in an urban area of Queens Co. and is surrounded by mixed industrial and residential uses. The site facility occupies an entire city block. The sites contamination resulted from the release of lubricating oils, paint thinners, solvents and related contaminated materials generated and used during the manufacturing process. Volunteer decided to not transition to Brownfield Cleanup Program, and the project remains in the Voluntary Cleanup Program. See Site #V00331.
Env Problem: Not reported
Health Problem: Not reported

AP221 **32-00 SKILLMAN AVE** **NY LTANKS** **S105999143**
East **32-00 SKILLMAN AVE** **N/A**
1/4-1/2 **QUEENS, NY**
0.460 mi.
2428 ft. **Site 2 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

LTANKS:

Site ID:	72446
Spill Number/Closed Date:	0302379 / 7/29/2005
Spill Date:	6/5/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	LNKLAAS
Referred To:	Not reported
Reported to Dept:	6/5/2003
CID:	405
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/5/2003
Spill Record Last Update:	7/29/2005
Spiller Name:	EVILEN
Spiller Company:	Not reported
Spiller Address:	32-00 SKILLMAN AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	EVILEN
Spiller Phone:	(212) 843-3751
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	68380
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"June 29,04 letter sent by Tipple07/28/05 Tank was cleaned, retested, and passed 09/25/03. No sign of release. Closed. LNK.
Remarks:	tank will be cleaned and then retest the lines

Material:

Site ID:	72446
Operable Unit ID:	869214
Operable Unit:	01
Material ID:	506858
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

32-00 SKILLMAN AVE (Continued) **S105999143**

Tank Test:

AP222 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100494133**
East **32-00 SKILLMAN AVE** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY VCP**
0.460 mi.
2428 ft. **Site 3 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

LTANKS:

Site ID:	221004
Spill Number/Closed Date:	9207976 / 3/6/2003
Spill Date:	10/9/1992
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	10/9/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/1992
Spill Record Last Update:	3/6/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	307503
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/06/2003- Closed Due To The Nature / Extent Of The Spill Report
Remarks:	SUSPECT PLUMBING LEAKS,EIR.CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID:	221004
Operable Unit ID:	971614
Operable Unit:	01
Material ID:	408582
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Quantity: -1
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 221004
Spill Tank Test: 1540694
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

SPILLS:
Facility ID: 0511334
DER Facility ID: 307503
Facility Type: ER
Site ID: 357465
DEC Region: 2
Spill Date: 12/29/2005
Spill Number/Closed Date: 0511334 / 8/11/2008
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: rmpiper
Referred To: Not reported
Reported to Dept: 12/29/2005
CID: 408
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 12/29/2005
Spill Record Last Update: 8/11/2008
Spiller Name: ERIC KOVICH
Spiller Company: INDUSTRIAL FACILITY
Spiller Address: 32-00 SKILLMAN AVE
Spiller City,St,Zip: LOND ISLAND CITY, NY
Spiller Company: 001
Contact Name: ERIC KOVICH
Contact Phone: (610) 458-1077 101
DEC Memo: Sangesland did a search and could not find an open spill on this site.Why were they doing quarterly monitoring on the site? Is there an old spill number with a different address?05/17/06-Vought-Spill

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

transferred from DEC Vought to DEC Piper as per DEC Austin.2/26/07- DEC Piper left message at GES requesting callback and info.5/7/07- DECP iper receoved fax from GES stating oil dicovery is separate fro mPerc cont. There is a 20K #2 oil tank adjacent to the MW. It is believed that oil was pumped in from delivery due to wrong fill. Oil has reoccured in well. CSL sent to Mgmt. Agent.5/10/07- DECP iper spoke w. owner. He informed me there is no way oil was delivered to MW. In that case lines or tank may be leaking. He will test tank and lines and perform subsurface investigation.7/20/07- DEC Piper recieved tank test results. Tank failed Inspection revealed a hole on top of tank. Samples were collected thrpough bottom of tank though are clean of VOC and slight SVOCs. 2/3/08- DEC Piper spoke w. Don Carlo Env. Borings were completed around tank. and along street. Street samples were clean though boring made by others showed contamination. Adjacent boring were clean. Piper instructed Danny Sing to have proposal generated to clean and inspect tank and perform borings though bottom.4/16/08- DEC Piper - I met Don Carlo, Danny Sing and Ted Yen on site. I explained to them that product was discovered in the mw-11 adjacent ot the fill. The tank failed a tightness test and samples were collected from the ends of the tank. Further investigation is needed. Two borings down to groundwater will be completed adjacent to fill, and three boring will be conducted through the bottom of the tank. A third boring and gw sample will be collected in the boiler rooom which is downgradient of the tank.I recieved additional boring results. Soil and groundwater were below tagm. No free product was observed. Tank was slurriyed after inspection. Based on work to date, this spill is closed. See e--docs if warranted.

Remarks: CALLER HAS FOUND OIL FLOATING IN TOP OF THE WELLS DURING A QUARTERLY SAMPLING EVENT. oNE WELL WAS AFFECTED AND IS NEAR THE BOILER ROOM OF THE BUILDING. UNKNOWN AS TO HOW THE PRODUCT GOT INTO THE WELL AND SMELLS LIKE A FUEL OIL MATERIAL. HAS NOT BEEN EXCATED IT YET.

Material:

Site ID:	357465
Operable Unit ID:	1114741
Operable Unit:	01
Material ID:	2104803
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

VCP:

Program Type:	VCP
Site Code:	57579
HW Code:	V00331
Site Class:	A
SWIS:	4101

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Region: 2
Town: New York City
Acres: 1.800
Date Record Added: 11/30/2000
Date Record Updated: 10/10/2012
Updated By: JHOCONNE
Site Description: Location:The Site is located in an urban area of Long Island City, Queens at 32-00 Skillman Avenue and is surrounded by mixed commercial, industrial and residential uses. The former ACCO Brands, Inc. (ACCO) facility is bounded by Skillman Avenue and the Sunnyside Rail Yard to the north; 32nd Place to the east; Queens Blvd. to the south; and Van Dam Street to the west. Surrounding land uses include multi-family residential properties, community and educational institutions, and various commercial, industrial, and retail uses.Site Features:The Site is approximately 1.8 acres in size and the former ACCO facility occupies the entire city block.Current Zoning/Use(s):The site was formerly owned by ACCO Brands Inc., which was a subsidiary of Fortune Brands, Inc. The site is located in an industrial zoned area. The upper floors of the Site are currently used for commercial and light industrial purposes, the basement is unoccupied, and a penthouse which houses a private racquet club, fitness center, spa and restaurant occupies the rooftop of the Site.Historical Use(s):The facility was constructed in 1950 and ACCO (or its predecessor corporations) occupied the facility from 1952. The site was reportedly occupied by several automotive service centers and gasoline stations prior to 1950. During their occupancy of the facility, ACCO manufactured staplers and stapler components. Paints, thinners, solvents and cleaners were used as part of the manufacturing process and may have led to site contamination. Wastes generated included paint filters, sludge, rags, and paint.Operable Units:The Site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination." Operable unit 1 (OU-1) is the on-Site source area which included the basement of the building. Operable unit 2 (OU-2) consists of the off-Site dissolved groundwater plume and associated soil vapor issues.Site Geology and Hydrogeology:The site is underlain by silty sand with varying amounts of gravel, silts and clays. Soil borings indicate a laterally pervasive low permeability layer beneath the entire footprint of and to the west of the Site. Parts of the low permeability layer, which dips to the south-southeast, are compromised by a layer of organic peat. TCE has been detected in the shallow, intermediate and deep aquifer zones at the Site. Depth to groundwater in the shallow aquifer is approximately 10 grade with a flow to the northwest. Depth to groundwater in the intermediate aquifer is 35 below grade with a flow to the west-northwest. Depth to groundwater in the deep aquifer is 60 below grade with a flow to the north-northwest.
Env Problem: Nature and Extent of Contamination:OU-1 Soil - Based upon investigations conducted to date, the primary contaminants of concern for OU-1 soils include trichloroethene (TCE) and its breakdown products that were noted in an unlined pit in the basement of the facility. The extent of impacted soils is confined to the western half of the footprint of the basement. Concentrations of TCE found in soils on site ranged from 79 ppm to 256 ppm, which exceeds the Soil

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Cleanup Objectives (SCO) for the protection of groundwater (0.47 ppm). Maximum concentrations were noted at a depth of 16-16.5 feet below the basement floor. OU-1 Groundwater - TCE and its breakdown products were encountered in both shallow groundwater samples collected at approximately 15 below grade and deep groundwater samples collected at approximately 49 below grade. Concentrations of TCE in shallow groundwater on site ranged from 108 ppb to 129,000 ppb, which exceeds the Groundwater Standard of 5 ppb. Concentrations of TCE found in deep groundwater on site ranged from 700 ppb to 1280 ppb. Maximum groundwater contaminant concentrations are encountered in the western half of the Site.OU-1 Soil Vapor - The maximum sub-slab soil vapor concentration of TCE found in samples collected beneath the on-site building were 160,000 ug/m3 in the eastern portion of the basement and 260,000 ug/m3 in the northern portion of the basement.OU-2 Groundwater TCE and its breakdown products were encountered in shallow, intermediate and deep groundwater samples. Depth to groundwater is approximately 10 below ground surface (bgs) in the shallow aquifer, approximately 35 bgs in the intermediate aquifer, and approximately 60 bgs in the deep aquifer. Maximum concentrations of TCE found in shallow off-site groundwater samples were 140,000 ppb. Maximum concentrations of TCE found in intermediate off-site groundwater samples were 45,800 ppb. Maximum concentrations of TCE found in deep off-site groundwater samples were 65 ppb. Approximate plume length is 500 down gradient from the site.OU 2 Soil Vapor - Off-site studies of soil vapor intrusion were conducted at the several locations. Concentrations of TCE in sub-slab and indoor air samples collected in two off-site locations during the Remedial Investigation exceeded the recommended action levels as established by NYSDOH. Vapor mitigation systems have been installed in these buildings.

Health Problem: Direct contact with contaminants in the soil is unlikely because the site is covered with a building and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the area is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential exists for people to inhale site contaminants in the indoor air due to vapor intrusion in the on-site building. A soil vapor extraction system was installed beneath the on-site building, which prevents vapors beneath the slab from entering the building. Sub-slab depressurization systems (systems that ventilate/remove the air beneath the building) have been installed in off-site buildings to prevent inhalation of site contaminants in indoor air due to soil vapor intrusion.

AQ223 **SPILL NUMBER 0103168** **NY LTANKS** **S105055149**
WNW **10-20 44TH RD** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.465 mi.
2455 ft. **Site 1 of 2 in cluster AQ**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	210325
Spill Number/Closed Date:	0103168 / 8/27/2002
Spill Date:	2/13/1998
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	6/22/2001
CID:	205
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2001
Spill Record Last Update:	4/7/2003
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK.
Spiller Address:	10-20 44TH RD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	174355
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"ORIGINAL SPILL # 97-12701 SENT TO REGION 1 REFERS TO SATURATED SOIL.08/27/2002 CLOSED THIS SPILL NUMBER, SEE SPILL # 97-12701
Remarks:	caller was told by region office to call hotline for new number.

Material:

Site ID:	210325
Operable Unit ID:	841870
Operable Unit:	01
Material ID:	535262
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

SPILL NUMBER 0103168 (Continued) **S105055149**

Tank Test:

SPILLS:

Facility ID:	9714321
DER Facility ID:	174355
Facility Type:	ER
Site ID:	210327
DEC Region:	2
Spill Date:	3/25/1998
Spill Number/Closed Date:	9714321 / 8/27/2002
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	IXMUNTEA
Referred To:	Not reported
Reported to Dept:	3/25/1998
CID:	370
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/25/1998
Spill Record Last Update:	8/27/2002
Spiller Name:	Not reported
Spiller Company:	CLEAN HARBORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	ABOVE CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MUNTEANU"08/27/2002 CLOSED THIS SPILL # AND 01-03168. SPILL IS OPEN UNDER 3 97-12701
Remarks:	while filling truck - overfill spill to containment abd cleaned

Material:

Site ID:	210327
Operable Unit ID:	1057192
Operable Unit:	01
Material ID:	325289
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	25
Resource Affected:	Not reported
Oxygenate:	False

SPILL NUMBER 0103168 (Continued) **S105055149**

Tank Test:

Facility ID:	9712701
DER Facility ID:	174355
Facility Type:	ER
Site ID:	210326
DEC Region:	2
Spill Date:	2/12/1998
Spill Number/Closed Date:	9712701 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	AXDORONO
Referred To:	GWMR (06/03/13) REVIEWED
Reported to Dept:	2/13/1998
CID:	370
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	5
Date Entered In Computer:	2/13/1998
Spill Record Last Update:	7/31/2013
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	CARRIE VINCH
Contact Phone:	(609) 896-8066
DEC Memo:	Spill originally sent to r1. It is in queens county. Bob Corcoran 07/10/0108/27/2002 CLOSED SPILL 01-03168 AND REFERRED THIS # TO 97-14321 4/7/03 TIPPLE REVIEWED CORRECTIVE ACTION PLAN SUBMITTED BY GZA REMEDIATION ONGOING8/14/03 WEDNESDAY MTG. AT RYDER FACILITY, RYDER TO ADDRESS REMEDIATION OF GAS CONTAMINANTS BELOW THE GARAGE FACILITY//TEST PIT WITH HORIZONTAL APPLICATION// FENTONS // REMEDIAL PLAN TO FOLLOW// CONTINUE MONITOR PROGRAM OUTSIDE BUILDING. 12/10/03 mt/// Transferred from Tipple to Rommel8/4/04Monitoring groundwater quarterly for a few years, 90 ppb MTBE, 72 ppb Benzene Groundwater in parking lot where dispenser island used to be. Proposing semi annual sampling. Tanks replaced. Few hundred yards soil removed 2001. Indoor issue - tanks removed 1992. Oil water separator still in place possibly another source. No permanent monitoring wells. Rommel9/15/04Reviewed Remedial Investigation Report dated 5/18/04 - objective to delineate near former diesel UST. one temp well installed, gw 15200 ppb Xylene, 7200 Toluene, 2300 Benzene, 2900 Ethylbenzene.Soil borings to west and south of Nov 2002 boreholes. GW 11-12 ft bg. sands some clay to the west of former USTs. Max soil contamination 3 - 6'.Left vm message for Ben Aldrich 973-256-7800:Closure and replacement of O/W separator scheduled summer 2004?Historic gw sampling.Historic reports.Delineate gw and

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soil contaminationSubmit map summarizing all soil results greater than TAGM.Propose remediation.Rommel10/15/04 Transferred from Rommel to Foley. (KMF)4/27/05 Received 2004 Annual GW Monitoring Report. GZA sampled wells on 2/18/04 and 10/6/04. Objective is to determine effectiveness of MNA. Not sampling for geochemical indicators. Sampling for TBA. MW-1,2,3,4,6 were purged and sampled. The sample from MW-5 was not analyzed since no target compounds were detected during previous sampling events. MW-1 exhibited a petroleum odor and slight sheen during both events. MW-2 had a slight odor but no sheen. MW-3 did not exhibit odor and ran dry during purging. MW-4 had a slight odor during both. MW-5 ran 2.9ppm on the PID and MW-6 ran 1.1ppm on the PID. Purge water from MW-5 had a strong organic or sulfur odor in Feb. MW-6 had a slight odor in Feb.Oct 04- BTEX ranged from ND(MW-2,3,4) to 164ppb(MW-1). MTBE ranged from ND(MW-4) to 41ppb(MW-1).12/22/05 Annual report received. MW-1, within the former source area, continued to exhibit low concentrations of most targeted compounds, including MTBE. Napthalene and TBA have increased, perhaps due to biodegradation. Napthalene and TBA were detected in low concentrations in MW-2 and benzene at a slight exceedance. In MW-3, MTBE was detected at its lowest conc to date, while TBA was at its highest to date. Xylenes were detected above MDL for the first time. MW-4 did not contain any targeted compounds exceeding GWQS. MW-6 contained MTBE at a slight exceedance. Napthalene, 1,2,4-trimethylbenzene and total xylenes were detected above standard for the first time in MW-6 during the 10/05 event. Semi-annual sampling continues. An annual report will be submitted 12/06.3/22/06 Reassigned from Foley to Tang.(KMF)04/12/2007: This spill case was transferred to A. Doronova. - AD04/13/2007: Reviewed UST closure report and oil/water separator system closure report submitted by GZA, dated October 2006. UST closure report states that one 5,000-gallon UST was abandoned in place. During UST closure four samples were taken through four holes drilled two feet below the bottom of UST. No targeted VOC or PAH compounds were detected at concentrations exceeding their respective RSCOs in any of the soil samples. Based on this information GZA recommends NFA for this UST.During oil/water separator closure GZA performed some activities including: Collecting and analysing composite soil samples from the impacted area; collecting and analysing 5 post-excavation soil samples; removing from the site approximately 112 tons of impacted soil. Four of five post-excavation soil samples had elevated PID readings from 267 to 458 ppm. Lab results indicated elevated concentrations of VOC in these 4 samples. The excavation of contaminated soil could not be done because of structural building components. GZA is currently in preparation of RAP to address the impacted soils and groundwater at the site. AD04/16/2007: Spoke with Ben Alter of GZA. He told me that RAP will be ready for submittal around June 2007. They already installed new groundwater monitoring wells in the vicinity of closed oil/water separator to better delineate GW contamination. I ask him to submit also a complete and detailed map of the site, which he promised to do. AD05/02/2007: Received a letter from Ben Alter of GZA with attached soil sampling map and monitoring well location map. Submitted maps are not exactly what I asked for. Locations of oil-water separator, 5,000 gallon UST and 8 diesel former USTs are not indicated on both maps. Soil borings and end-point soil samples are not time color-coded. Will wait for RAP submittal. AD05/14/2007: Spoke to Mr. Alter of GZA. Asked him about date of RAP submittal. He said it will be ready before July. He

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will also send revised maps for the site. GZA will do sampling round including newly installed wells MW-7 and MW-8 in two weeks. Analytical results will be submitted in RAP. AD05/18/2007: Received a map with locations of abandoned UST and oil/water separator with indication of the excavated limit. AD08/2007: Spoke to Ben Alter of GZA regarding RAP submittal. He said that the owner still did not decide on the plan. Promised to call me back. AD10/07/2007: Received a call from Tyree Env. This company is a new consultant for the site. They will prepare and submit RAP to DEC. AD11/07/2007: Received a call from Robert Ott of Tyree Env. (phone: 631-249-3150, ext 280) He asked for a meeting with us to discuss remedial action plan for this site. Scheduled the meeting for Tuesday November 13, 2007. AD11/13/2007: Jon Kolleeny and I attended a meeting with Robert Ott of Tyree Env. Tyree Env. will prepare work plan for delineation of contamination inside the building and then propose remedial action plan for the area of concern. AD01/18/2008: Called and left a message to R. Ott regarding investigation work plan submission. AD01/29/2008: Spoke with Robert Ott of Tyree. He said that work plan proposal was submitted to the owner for approval. Asked me if we can send them a letter to expedite the plan's review. AD01/30/2008: Sent a Investigation Needed Letter to Ms. Carry Anne Vinch of Ryder with a request to expedite investigation plan submission. AD03/03/2008: Spoke with R. Ott of Tyree. He said that scope of work was approved by owner and now they in a process of the work plan preparation. He plans to submit it in the beginning of April 2008. AD04/17/2008: Received a letter from Ryder. It states that Tyree Brothers Env. Services (TBES) did propose to implement investigation work for Ryder, but however Ryder did not retained them to perform any work, or prepare any plans. It says, that Ryder is presently reviewing options to move this site to closure. Called and left a message to Ms. Vinch of Ryder. AD04/25/2008: Called and left a message to Ms. Vinch of Ryder. Spoke with J. Kolleeny regarding this site. Sent Ms. Vinch an email, stating that we will prepare STIP for the site to ensure timely cleanup. AD04/30/2008: Received a phone call from Ms. Vinch of Ryder. She requested a meeting with DEC at the site. Told her that it can be arranged in DEC building. Ms. Vinch will call latter with a date for the meeting. AD05/14/2008: Did not receive any calls from Ms. Vinch of Ryder. Called and left a message. AD05/15/2008: Received a call from Ms. Vinch of Ryder. Scheduled a meeting with them on May 29, 2008. AD05/27/2008: Received Annual Groundwater Monitoring report. Will review. AD05/29/2008: Received a call from Ms. Vinch. She asked to re-schedule the meeting for Thursday, June 5, 2008 due unavailability of their consultant. AD06/05/2008: J. Kolleeny and I attended the meeting with Carrie Vinch 0f Ryder Truck and Brian Moore of CHCI. We discussed current site conditions. It was agreed that a work plan for additional groundwater investigation will be submitted to DEC in the mid-June. Based on the results of the investigation, recommendations will be made for further actions. AD07/16/2008: Received an email from Brian Moore of CHCI saying:Ms. Doronova - Thank you for taking time out of your busy schedule to meet with us last month to discuss the status of the assessment activities underway at the above-referenced Ryder facility at 10-20 44th Road in Long Island City.We are putting the final touches into the work plan being developed to address the items we discussed during our meeting last month, and we will be submitting it shortly for your review and approval. We appreciate the opportunity you provided for us to discuss the cases at this

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property, and we look forward to your review of the scope when submitted. Please do not hesitate to contact us should you have any questions, comments, or concerns.Most sincerely,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.356007/23/2008: Received PDF version of the work plan from Brian Moore. Will review. Downloaded to eDocs. AD07/28/2008: Received a hard copy of the work plan AD07/30/2008: Sent an approval letter to Ms. Carry-Vinch with the following comments: Two soil samples per boring must be collected: one - directly above the water table and the second - from the sampling interval with the highest PID reading. In the absence of any field indication of contamination, a single soil sample just above the water table should be collected; Laboratory analysis for VOCs and SVOCs, specified on page 3 (third paragraph from top of the page) of the work plan, must be conducted for all samples collected. AD08/22/2008: Received an email from B. Moore of CHCI saying: "Ms. Doronova - In preparing the driller for the new well installation work planned forthis facility (DEC already approved), we have reviewed the previous wellconstruction details more in-depth and would like DEC to re-considerplans for well replacement. In lieu of replacement of MW-3 and 4, we would like to have DEC approve augmenting the network in thoseareas to confirm hydrological conditions and better assist with the conceptual model development for this location in general.Please review the attached and let us know if it meets with your approval.Original went into regular mail last night.We have proactively pre-marked for this work, and await your authorizationto proceed with the revised scope. Thanks again,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560http://www.carriagehouseinfo.com"Downloaded the WP addendum to eDocs. Will review. AD09/09/2008: Reviewed the revised WP. Sent an approval letter to K. Zias (cc: J. Kolleeny of DEC and B. Moore of CHCI). AD09/18/2008: Received an email from B. Moore of CHCI, saying: "Ms. Doronova -CHCI anticipates initiating the drilling portion of this Work Plan at this site beginning next Wed., by 10AM or 11AM, continuing through the end ofThursday.We look forward to potentially seeing you there if you decide to visit.Sincerely,Brian D. MooreCarriageHouse Consulting, Inc."Will visit the site. AD09/24/2008: Visited the site. Met with B. Moore of CHCI at the site. They already completed installation of the replacement for MW-3. Observed installation of the monitoring well MW-4S and PID screening of soil samples. PID ranged from ND to 942 ppm (v) at 10' depth. Asked B. Moore to collect soil sample from this interval for lab. analysis. CHCI will complete installation of 3 wells at the parking lot today, and will continue to install wells inside the building tomorrow. Wells will be sampled in two weeks. AD09/25/2008: Received a call from B. Moore of CHCI. He said that they installed well MW-9 with difficulties and he was questioning if it is reasonable to install well MW-10. The highest PID reading from boring for MW-9 was - 848 ppm (v). Discussed this with J. Kolleeny. Asked B. Moore to move location for well MW-10 10-15 feet to the east from MW-9. AD10/16/2008: Received a phone call from B. Moore of CHCI. During GW sampling they discovered a free product in the monitoring well MW-1. It looks as weathered light fuel oil. They collected a sample for fingerprint analysis and groundwater sample for lab analysis. The free product was bailed out of the well to find recovery rate. All data will be analyzed and conclusions and recommendations will be made. AD11/05/2008: Spoke with B. Moore of

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CHCI. Asked him about MW-01. He said that absorbent sock was placed into the well to collect the free product. Yesterday, they replaces the sock. CHCI proposes to implement IRM for this well by installing skimmer to recover free product. Requested to submit a brief work plan for this IRM for our approval. AD12/18/2008: Received a phone call from B. Moore of CHCI. He was at the site to check for free product in well MW-1. He said that CHCI will propose to install additional well to delineate the free product. Asked him to submit brief work plan with the proposed well location. Also requested to send me an email stating the current field findings. AD02/09/2009: Received a phone call from B. Moore regarding UST closure report and oil/water separator system closure report, which was submitted by GZA in October 2006. UST closure report stated that one 5,000-gallon UST was abandoned in place. During UST closure four samples were taken through four holes drilled two feet below the bottom of UST. No targeted VOC or PAH compounds were detected at concentrations exceeding their respective RSCOs in any of the soil samples. Based on this information GZA recommended NFA for this UST. Mr. Moore was wondering if NFA letter could be issued by DEC for this particular tank. Later received an email from Mr. Moore saying:"Ms. Doronova - As we have discussed, the attached Work Plan addendum is based on the presence of NAPL in well MW-1. Historical GW flow has fluctuated, and that is the reason for the two well placement downgradient of the current/former UST areas.Thank you again for your consideration in these matters, and we look forwardto getting these new wells installed and then complete the SSI!Sincerely,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560"DL the work plan to eDocs. Will review. AD02/23/2009: Reviewed the work plan. CHCI proposes to install two additional wells in the southern and southwestern portions of the site to delineate the extent of LNAPL. Wells will be located downgradient from well MW-1 and current/former UST areas. Will send a letter. AD02/24/2009: Sent an approval letter with a comment regarding soil sampling interval. AD02/26/2009: Visited the site to observe installation of additional wells. Met at the site Nathan Stevens - hydrogeologist of CHCI. GeoSearch company was subcontracted to perform the installation. Wells MW-13 and MW-14 were installed downgradient of well MW-1.Headspace PID readings ranged from 1,7ppm at 15' bgs to 53.5ppm at 8-10' bgs for MW-14 and from 1.6ppm at 15' bgs to 188ppm at 6-8' bgs for MW-13. Soil from intervals with highest PID readings and just above the water table interval were collected for lab analysis. Took some pictures. DL them to Ryder Truck file. Results of current soil sampling and following groundwater sampling will be presented in ASI summary report. AD 03/12/2009: Spoke with B. Moore regarding UST closure report, which was submitted by GZA in October 2006. Asked him to submit a letter request. AD03/16/2009: Received the letter from CHCI which states that no evidence of petroleum release was encountered during the in-place closure of this UST and requests to issue a letter affirming this conclusion. Mr. Moore was wondering if NFA letter could be issued by DEC for this particular tank. Discussed with J. Kolleeny this request. No NFA can be issued, because no any spill cases were open for this tank. Will prepare a statement letter. AD03/26/2009: In response to CHCI request sent the statement letter, which says that the Department agrees, based on information provided, that open spill case 9712701 is not associated with this particular UST. AD06/12/2009: Called and spoke with B. Moore of CHCI regarding the summary report submission. He said that

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the report will be submitted till the end of June 2009. AD06/24/2009: Received an e-mail from B. Moore of CHCI saying:"Ms. Doronova - As a follow up to our telephone call the other day, I wanted to send this email confirming the status of the Supplemental Site Investigation Report planned for the for the Ryder Facility at 10-20 44th Road in Long Island City.To-date, we have compiled the data from more than twenty individual reports from the last 17 years into this investigation (greater than individual 100 soil samples on-site) and we have supplemented that data set with a round of soil borings and well installation work in 9/2008, followed by additional drilling in 2/2009, and initiated passive NAPL recovery activities in one of the former UST areas. Please note that we have been continuing our monthly visits to keep track of the NAPL and sheens in site-related wells as part of the DEC approved IRM. In fact, we are out there his morning checking the wells again for NAPL. We have identified a single subsurface investigation report missing from the file from 2002, and have requested a copy of the same get pulled from the former consultant's archive. This report has the construction details on MW-5, and is believed to be the only missing report to our file. Once received, reviewed, and incorporated, the SSI will be complete. As we have not received this single final report yet, I would be more comfortable getting and incorporating the information from MW-5 construction into this SSI rather than rushing it to completion in the next six days. So taking into consideration our continued monitoring efforts at this site, we would like to receive your authorization to complete the SSI including the data from MW-5 installation to offer a full and complete investigation for the file, and serve as a basis for associated conclusions and further recommendations related to remediation.This site remains a big priority for Ryder, and we really want the SSI to serve the intended purpose outlined in our previous correspondence and meetings, as well as the DER-10 Guidance. Please give me a call if you have any questions or require additional information in considering our request.Respectfully,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560"Called and spoke with Brian. Postponed the report submission till July 15, 2009. Sent him the report from April 29, 2002, with the construction details on MW-5 installation, which was missing from their files. AD07/10/2009: Received a call from B. Moore. He said that CHCI plans to continue delineation of GW contamination and asked to postpone Investigation Report submission, so they can include work plan for additional investigation into this report. Approved the postponement of the submission till August 1, 2009. AD07/31/2009: Received Supplemental Site Investigation Report from CHCI. DL pdf copy to eDocs. Will review. AD09/25/2009: Received an e-mail from B. Moore of CHCI saying:"Ms. Doronova - Attached please find the electronic copy of the Work Plan Addendum for continued NAPL recovery efforts at the Ryder facility at 10-20 44th Road in LIC, NY. We have continued our monthly visits, and desire to do so through December, reporting results from the same in Jan, 2010. For the next 12 months, CHCI and Ryder also desire to conduct quarterly NAPL monitoring and groundwater sampling at this location, inclusive of sampling for select MNA parameters.Any changes in NAPL recovery strategy will be discussed and presented in the Jan, 2010 IRM Status Update report. We also propose a Jan 2011 IRM Status Update report.Thank you for your attention to these matters, and please get in touch with any questions or comments, hard copy in mail.Brian D. MooreCarriageHouse Consulting, Inc.Ph:

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508.315.3146Cell: 508.479.3560"DL to eDocs. Will review. AD10/27/2009: Reviewed the work plan addendum. It proposes to decrease LNAPL recovery frequency from monthly to quarterly due to low free product recovery rates, starting in January 2010, and also to conduct quarterly groundwater monitoring for a period of one year to collect and analyze data for further remedial actions. AD10/30/2009: Discussed the work plan with J. Kolleeny of DEC. Issued an approval letter with the following comments: " - Quarterly groundwater monitoring at the site should start before the end of this year; - If the results of the first groundwater monitoring event indicate highly elevated levels of contamination in the site wells, then DEC may require that a more active remedial approach be developed."AD05/03/2010: Received a Groundwater Monitoring report for 1st quarter of 2010. DL pdf copy to eDocs. Will review. AD06/10/2010: Reviewed the report. It states that on February 25 through 26, 2010 CHCI conducted the quarterly monitoring well gauging, monitoring, NAPL recovery, and sampling at this site. The thickness of NAPL detected in well MW-1 was a "sheen" (less than 0.01 feet) during the February 25, 2010 gauging and sampling event, and NAPL was not detected in wells MW-13 and MW-14.On February 25 and 26, 2010 CHCI performed groundwater monitoring and sampling at the site. Groundwater monitoring activities also included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at each of the site's sixteen (16) wells. CHCI collected groundwater samples from the 16 site wells. Samples from six out sixteen wells were ND for TVOCs (wells: MW-3, MW-3S, MW-4S, MW-5, MW-8, MW-9. Four monitoring wells (MW-2, MW-4, MW-6 and MW-12) exhibited very low TVOCs concentration ranging fron 1.1ppb in well MW-4 to 5ppb in well MW-12. Moderate TVOCs were detected in two site wells: MW-1 - 428ppb, and well MW-13 - 412ppb.Most contaminated site wells are: well MW-10 - 7,249ppb, well MW-11 - 4,555ppb and well MW-14 - 7,964ppb.During the monitoring visit, NAPL has been recovered from the monitoring well network using deployment/recovery of absorbent booms to facilitate NAPL recovery. During previous reporting periods, NAPL recovery efforts had included deployment of a passive Keck-brand skimmer in well MW-1, but repeated comparisons to the effectiveness of adsorbent booms indicated greater recovery rates were achieved using the passive booms rather than the skimmer.During this reporting period, only passive booms were utilized to adsorb NAPL present in wells MW-1, MW-13, and MW-14. Boom replacement were conducted for wells MW-13 and MW-14 with one (1) 1.5" boom each, and for MW-1 with one (1) 3" boom. Approximately 4.613 gallons of NAPL in total have been recovered since program start, and approximately 0.45 gallons were recovered during this reporting period. CHCI will continue quarterly monitoring and recovery activities, with the next sampling and IRM visits scheduled for May and August, 2010. No response is needed. AD07/29/2010: Received a Groundwater Monitoring report for 2nd quarter of 2010. DL pdf copy to eDocs. Will review. AD10/16/2010: Received a Groundwater Monitoring report for third quarter of 2010. DL pdf copy to eDocs. Will review. AD12/17/2010: Reviewed the report. It states that on August 24 through 25, 2010 CHCI conducted the quarterly monitoring well gauging, monitoring, NAPL recovery, and sampling. NAPL was not detected in any of the on site wells. Groundwater monitoring activities also included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at each of the site's sixteen (16)

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monitoring wells. CHCI collected groundwater samples from the sixteen (16) wells for analyses of VOCs. During the sampling event of August 24 and 25, 2010, samples from six out sixteen wells were ND for TVOCs (wells: MW-3, MW-3S, MW-4S, MW-5, MW-8, MW-9. Five monitoring wells (MW-2, MW-4, MW-6 and MW-12 and MW-14) exhibited very low TVOCs concentration ranging from 3.6ppb in well MW-6 to 18ppb in well MW-14. Moderate levels of TVOCs were detected in three site wells: MW-1 - 413ppb, MW-11 - 610ppb and well MW-13 - 359ppb. Most contaminated site wells are: well MW-10 - 9,595ppb, which is increase from 7,249ppb, and well MW-7 - 3,394ppb.During this reporting period, only passive booms were utilized to adsorb NAPL present in wells MW-1, MW-13, and MW-14. The three booms currently being used in the wells were all removed and replaced, as they were at their absorbent capacity. These booms include one (1) 1.5" boom each for MW-13 and MW-14, and one (1) 3" boom for MW-1. Since start of the NAPL recovery activities in 2008, approximately 5.933 gallons of NAPL have been recovered from the groundwater monitoring well network, approximately 0.88 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored onsite, placed inside a 55-gallon capacity drum set within a secondary containment. No response is needed. AD03/25/2011: Received a phone call from B. Moore of CHCI. He asked if they can sample the wells. Told him that since the site is on quarterly GW monitoring no approval from DEC is needed. Later received an e-mail from B. Moore of CHCI saying:"Ainura - As we discussed this morning, we were expecting a letter back from DEC in time to authorize the sampling event for this month (March 2011) to align with previous years so we may compare in future submittals. Based on our discussion, we acknowledge that (at a minimum) Annual groundwater monitoring is currently required at this site, and potentially more frequent for those wells exhibiting higher concentrations (e.g., MW-7/10). We would appreciate also learning how DEC staff has been implementing CP-51 on soil objectives/cleanup levels, and we were considering an off-site downgradient well on the distant side of 44th Drive, and pilot testing remedial additive injections under the building to stabilize GW conditions around the former UST area. Thank you in advance for your attention to these matters, and we look forward to hearing back from you. Brian Moore"Sent him an e-mail saying:"Hi, Brian: As per our afternoon phone conversation, CHCI should proceed with quarterly groundwater sampling according to NYSDEC correspondence from October 30, 2009, and based on the new and historical data, a remedial action plan to address residual groundwater contamination at the site should be prepared and submitted to DEC in a timely manner. If you would like to exclude some of the wells from the groundwater sampling program, based on their ND results for VOCs, you should propose it in your next report or in an official letter. Sincerely, Ainura"AD06/20/2011: Received an e-mail from Brian Moore saying:"Ms. Doronova - Attached please find the GMG outlining results from the March sampling event at Site #9712701, which we are also sending you a hard copy of and a disk with the attached eCopy (in DEC naming convention). The work plan was developed with the intention of obtaining authorization to initiate feasibility evaluations at this site and preliminary RIR activities, including pilot testing/bench-scale tests in efforts to stabilize site groundwater conditions and allow for bioremediation to continue. I hope you have a pleasant long weekend, and look forward to your review of the attached. Thanks in advance for your time. Brian D. MooreCarriageHouse Consulting, Inc."DL the report to eDocs.

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Will review. AD06/21/2011: Reviewed the Remedial Investigation Work Plan dated May 27, 2011 pertaining to the above-referenced site, submitted by Carriage House Consulting, Inc. (CHCI), which stated that high levels of VOCs remain in two wells in the former USTs area and that free product sheen was present in wells MW-01, MW-13 and MW-14. The work plan proposes a soil and groundwater investigation in the vicinity of former gasoline USTs. CHCI will install two additional monitoring wells and two injection wells at the site, with collection of soil and groundwater samples for laboratory analysis. A report summarizing all findings, with conclusions and recommendations for further remedial action, will be prepared and submitted to DEC.The site plan with locations of the proposed wells is missing. Called and spoke with B. Moore regarding submission of the site map. Also asked to indicated on the map - locations of the former USTs fields. He agreed to re-submit the work plan. AD06/28/2011: Received a Remedial Investigation Work Plan Addendum dated June 28, 2011, submitted by Carriage House Consulting, Inc. The work plan includes the required site map with depiction of the proposed wells locations. CHCI will install two additional monitoring wells and two injection wells at the site, with collection of soil samples for bench-scale analysis and groundwater samples for VOCs and field parameters analysis as a preparation for a pilot study. Location of injection well IW-01 is questionalbe. Called and spoke with B. Moore regarding relocation of the proposed injection well IW-01 up gradient of highly contaminated monitoring well MW-07. He agreed to this change. AD07/05/2011: Discussed with Brian Moore details of the anticipated pilot study work plan. Requested some info on the free product identification. Discused the addendum to the work plan with J. Kolleeny. Will issue an approval letter. AD07/06/2011: Approved the addendum to the investigation work plan with the following comments:" Two soil samples must be collected from each boring/well and analyzed for VOCs and SVOCs - one from the sampling interval with the highest PID reading and the second from the interval directly above the water table-. In the absence of any field indications of contamination, a single soil sample should be collected from just above the water table. Proposed injection well IW-01 should be relocated up-gradient of monitoring well MW-07."Based on the result of this investigation a work plan for anticipated pilot study will be submitted to DEC.Sent the letter to Carrie Vinch of Ryder Truck. DL pdf copy of the letter to eDocs. AD07/07/2011: Received a Remedial Investigation Work Plan Confirmation, submitted by Carriage House Consulting, Inc. (CHCI) on behalf of Ryder Transportation Services. Will review. AD09/09/2011: Reviewed the WP Confirmation from CHCI. CHCI states that, out of sixteen site wells in total, elevated levels of dissolved groundwater contamination remain in only six monitoring wells: MW-01, MW-07, MW-10, MW-11, MW-13 and MW-14. Based on the data, CHCI recommends continuing quarterly groundwater monitoring for these six wells while reducing the frequency of groundwater monitoring for ten other wells from a quarterly to an annual basis, due to insignificant VOC levels in those wells. Monitoring reports will continue to be prepared and submitted to DEC on a quarterly basis. Tpo send a letter. AD09/23/2011: Received an e-mail from B. Moore saying:"Ms. Doronova - We have tentatively scheduled the groundwater sampling event for the Ryder location at 10-20 44th Road in Long Island City, NY under DEC Case #9712701 for 9/29/11 and 9/30/11 (second day if required to complete Task). In the event this schedule changes during the next few days, we will give you a call or email you to advise. Have a nice

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weekend! Brian Moore"AD10/06/2011: Discussed the CHCI recommendation with J. Kolleeny of DEC. Issued and sent an approval letter to C. Vinch of RyderTruck. DL pdf copy of the letter to eDocs. AD12/08/2011: Received an e-mail from CHC saying:"Ainura Doronova - Per your request I am forwarding to you the Groundwater Monitoring Report for the Ryder site in Long Island City. The hard copy with included CD was delivered via UPS today. Please do not hesitate to call if you need anything more.Regards, Estee SchmaltzCarriageHouse Consulting, Inc.8 Pleasant StreetSouth Natick, Massachusetts508.315.3146"DL the pdf copy of the report to eDocs. AD01/20/2012: Reviewed the report.02/23/2012: Received the following e-mail from CHCI:"Ainura Doronova - The Groundwater Monitoring Report for the Ryder Facility in Long Island City has been delivered to the NYSDEC. Please find attached an electronic version for your records and review. Also included in this report is a request from the Department to issue correspondence authorizing the installation of a monitoring well within the 44th Drive right of way as depicted on Figure 5 for distribution to the appropriate City and Borough entities. Please let me know if you need additional information, or if there are additional forms to fill out for this next step. Regards,Estee SchmaltzCarriageHouse Consulting, Inc.8 Pleasant StreetSouth Natick, Massachusetts508.315.3146eschmaltz@carriagehouseinfo.com"DL to eDocs. Will review. AD03/07/2012: Reviewed the report. It states that during the sampling event of December 29, 2011, GW samples were collected from five of the six wells. Moderatly elevated levels of VOCs were detected in samples collected from wells MW-1 (370ppb) and MW-13 (251ppb) on the western portion of the parcel; and significant levels of VOCs were detected in samples collected from wells MW-7 (3,812ppb), MW-10 (16,731ppb) on the eastern portion of the site. Well MW-11 had 316ppb. During the monitoring visits NAPL has been recovered from the existing and expanded site-related monitoring well network using absorbent booms. During previous reporting periods, NAPL recovery efforts had included deployment of a passive Keck-brand skimmer in well MW-1, but comparison indicated greater recovery rates were achieved using the passive booms rather than the skimmer.During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. The boom located in well MW-1 was flipped on December 29, 2011 because it was not at its absorbent capacity. The booms located in wells MW-13 and MW-14 were removed and replaced. Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 8.133 gallons of NAPL have been recovered, approximately 0.53 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored on site, placed inside a 55-gallon capacity drum set within a secondary containment.The analytical results from the December 29, 2011 sampling event demonstrate that many of the dissolved hydrocarbon concentrations in groundwater have remained relatively stable since the March and September 2011 sampling events. The only exception is well MW-10, whose results increased since the September 2011 sampling event. Physical and geochemical monitoring results from this event indicate that groundwater conditions at this property are generally anaerobic, reducing, and slightly basic.CHCI will proceed with implementation of the DEC approved work plan and request to issue a Sidewalk Permit letter for installation of off-site well across 44th Drive. To issue

SPILL NUMBER 0103168 (Continued) **S105055149**

a letter. AD03/13/2012: Issued and sent a Sidewalk Permit Request letter to B. Moore of CHCI. DL pdf copy of the letter to eDocs. AD06/05/2012: Received a hard copy of the Groundwater Monitoring Report for the first quarter of 2012. DL pdf copy to eDocs. Will review. AD06/27/2012: Reviewed the report. It states that during the sampling event on March 27 and 28, 2012 CHCI conducted monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection. Wells MW-4 and MW-4S were inaccessible during this monitoring event until March 28, 2012. During the March 2012 event, light NAPL was not detected in any of the wells monitored. During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. Since the expansion of the monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 8.573 gallons of NAPL have been recovered from the site monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period.Groundwater samples were collected from thirteen of the nineteen wells. Samples collected from wells MW-1, MW-13 on the western portion of the parcel and samples collected from wells MW-7, MW-10 and MW-11 on the eastern portion of the parcel indicated concentrations above Standards. The TVOCs ranged from 1.4ppb in well MW-2 to 9,987ppb in well MW-10.Low levels of VOCs indicated in the following wells:1. MW-2 - 1.4ppb;2. MW-3 - 1.6ppb;3. MW-3S - 41ppb;4. MW-4 - 6.7ppb;5. MW-6 - 2.9ppb;6. MW-12 - 5.1ppb;7. MW-14 - 8.5ppb.Moderatly elevated levels of VOCs were detected in samples collected from wells:8. MW-1 - 404ppb;9. MW-11 - 361ppb;10. MW-13 - 228.3ppbSignificant levels of VOCs were detected in samples collected from wells:11. MW-7 - 3,374,1 ppb slight decrease from 3,812ppb in December 2011;12. MW-10 - 9,987ppb a decrease from 16,731ppb in December 2011.In addition to expanding the monitoring well network during the next quarter, CHCI will also be initiating the bench-scale pilot study with the goal of increasing aerobic degradation, which also requires new well installation activities pursuant to the approved Work Plans.Upon completion of the delineation work for soil and groundwater impact, CHCI will evaluate evidence of natural attenuation and/or biodegradation processes at this site. AD08/22/2012: received the following e-mail from B. Moore:"Ainura - We are mailing a hard copy to you today at your office, but we have attached our eCopy for your use and Department records. we hope to install the off-site well early next month, and will advise you of our schedule!Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560http://www.carriagehouseinfo.com"DL PDF copy of the report to eDocs. Will review. AD09/21/2012: Reviewed the report. It states that on June 25, 2012, CHCI personnel conducted the quarterly site groundwater monitoring including monitoring wells gauging, geochemical monitoring, NAPL recovery, and GW sample collection.During the June 2012 event, light NAPL was not detected in any of the wells monitored. During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1,MW-13, and MW-14.CHCI collected groundwater samples from 6 wells: MW-1, MW-7, MW-10, MW-11, MW-13, and MW-14.During the sampling event of June 25, 2012, samples from all six sampled wells yielded concentrations of one or more of the targeted analytes above the Class GA Groundwater Standards. The samples collected included wells MW-1, MW-13, and MW-14 on the western portion of the site and samples from wells MW-7, MW-10, and MW-11 on the eastern portion of the site.Moderatly elevated levels of VOCs were detected in samples

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collected from wells:1. MW-1 - 280ppb from 404ppb in March 2012;2. MW-11 - 549ppb from 361ppb;3. MW-13 - 255ppb from 228.3ppbSignificant levels of VOCs were detected in samples collected from wells:4. MW-7 - 2,080ppb a decrease from 3,374,1 ppb in March 2012;5. MW-10 - 5,809ppb a decrease from 9,987ppb in March 2012.The report states that the analytical results from the June 2012 sampling event appear to demonstrate that the magnitude of dissolved hydrocarbon concentrations in groundwater has remained relatively stable and consistent with the 2011 sampling results. The exception is in samples collected from well MW-10, whose results have demonstrated a greater degree of variability throughout the year but are still relatively consistent with previous historical sampling results.Upon completion of the delineation work for soil and groundwater impact, the remedial investigation will evaluate whether geophysical conditions in the impacted formation yield evidence of natural attenuation and/or biodegradation processes at this site. CCI states that the data contained in this report demonstrate that groundwater quality at this site, while varying over time, remains above the applicable GA Standards, confirming the necessity of the remaining remedial investigative activities from the approved work plans. AD12/07/2012: Received Groundwater Monitoring Report for the 3rd Quarter of 2012. DL the report to eDocs. Will review. AD01/14/2013: Reviewed the report. It states that on September 27, 2012, CHCI conducted the quarterly site groundwater monitoring event including monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection. CHCI collected groundwater samples from monitoring wells MW-1, MW-7, MW-10, MW-11, MW-13, MW-14, and MW-15.During the sampling event of September 27, 2012, samples from all seven of the sampled wells yielded concentrations of one or more of the targeted analytes above the Class GA Groundwater Standards. The samples collected included wells MW-1, MW-13, MW-14, and MW-15 on the western portion of the parcel and samples from wells MW-7, MW-10, and MW-11 on the eastern portion of the parcel.Well MW-15 was ND. Well MW-14 had 3.5 ppb of TVOCs.Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 232ppb from 280ppb in June 2012;2. MW-11 - 390ppb from 549ppb in June 2012;3. MW-13 - 222ppb from 255ppb in June 2012Significant levels of VOCs were detected in samples collected from wells:4. MW-7 - 1,705ppb a decrease from 2,080ppb in June 2012;5. MW-10 - 2,144ppb a decrease from 5,809ppb in June 2012.During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. Therefore, gauging results reflect conditions at the property upon arrival and removal of the spent or partially spent booms. The booms include one 3-inch diameter boom for MW-1, and one 1.5-inch diameter boom each for MW-13 and MW-14. All three booms were replaced on September 27, 2012 as they were at their adsorptive capacity.Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 9.713 gallons of NAPL have been recovered from the site-related groundwater monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored onsite, placed inside a 55-gallon capacity drum set within a secondary containment.CHCI states that the analytical results from the September 2012 sampling event demonstrate that the magnitude of dissolved hydrocarbon concentrations in groundwater has remained relatively stable and consistent with the 2011 sampling results. The

SPILL NUMBER 0103168 (Continued) **S105055149**

exception is in samples from MW-10, whose results have demonstrated a greater degree of variability throughout the year, with the most recent sampling results yielding the lowest amount of total VOCs to date, but are still relatively consistent with previous historical sampling results. Results from well MW-14 have yielded consistently low detections, and no analytes at all were detected from the new well, MW-15. Physical and geochemical monitoring results from this eventindicate that groundwater conditions at this property are generally anaerobic, reducing, and slightly acidic.The horizontal extent of the dissolved impact associated with these two AOCs is now defined by the newly-installed MW-15 in the downgradient direction, as this well did not yield any detections of VOCs. As part of the next quarter's field activities, CHCI will be initiating the bench-scale pilot study with the goal of increasing aerobic degradation, which also requires new well installation activities pursuant to the approved Work Plans.Upon completion of the delineation work for soil and groundwater impact, the Remedial Investigation will evaluate whether geophysical conditions in the impacted formation yield evidence of natural attenuation and/or biodegradation processes at this site. CHCI will continue with remedial investigative activities at the site. AD03/15/2013: Received a Groundwater Monitoring Report - Work Plan Addendum from CHCI. DL the report to eDocs. Will review. AD03/28/2013: Reviewed the report. It states that the site now has a network of seventeen (17) groundwater monitoring wells to monitor the extent of spill impact associated with this site. On December 19, 2012, CHCI conducted the quarterly site groundwater monitoring including wells gauging, geochemical monitoring, NAPL recovery, and GW samples collection. During the December 2012 event, LNAPL was not detected in any of the site wells monitored.CHCI collected groundwater samples from 7 monitoring wells: MW-1, MW-7, MW-10, MW-11, MW-13, MW-14, and MW-15.GW data - TVOCs (ppb):Non-detect or low levels of TVOCs:Well MW-15 was ND. Well MW-14 had 20 ppb of TVOCs.Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 264ppb an increase from 232ppb in September 2012;2. MW-11 - 724ppb an increase from 390ppb in September 2012;3. MW-13 - 248ppb an increase from 222ppb in September 2012Significant levels of VOCs were detected in samples collected from wells:4. MW-7 - 1,654ppb a decrease from 1,705ppb in September 2012;5. MW-10 - 1,756ppb a decrease from 2,144ppb in September 2012.Based on the historic GW data, CHCI proposes application of Enhanced Fluid Recovery (EFR) technique on eight selected site wells instead previously proposed chemical oxidant injection. Quarterly groundwater sampling will continue at the site. Summary report with conclusions and recommendations for further actions will be submitted to DEC.03/29/2013: called and spoke with Esther Schmaltz of CHCI regarding details of the work plan addendum. She will sens an e-mail clarifying the proposed actions. Later received the following e-mail from Ms. Schmaltz:"Ainura Doronova - Per our phone conversation here is a brief outline of the activities we will be conducting at they Ryder site next Tuesday and Wednesday:(i) Install a total of four (4) monitoring and extraction wells within the area of the former gasoline USTs within the service bays of the building at the same exact locations previously-demarcated and authorized by the Department for drilling;(ii) Perform a single EFR event utilizing all accessible wells within the on-site building (MW-7, MW-10, MW-11, MW-12, new wells: MW-16, MW-17, MW-18, MW-19);(iii) Perform one (1)

SPILL NUMBER 0103168 (Continued) **S105055149**

limited periodic monitoring event of groundwater conditions within the target area approximately two (2) weeks and approximately six (6) weeks following completion of the EFR event - select wells;Please let me know if you need any additional information. Thank you for your assistance. Regards,Estee SchmaltzCarriageHouse Consulting, Inc."Discussed the work plan addendum with J. Kolleeny of DEC. Issued and sent an approval letter to Carrie Vinch with the following comment:" If EFR will not be effective in VOCs reductions in these wells, alternative remediation technologies should be proposed for the site."DL pdf copy of the letter to eDocs. AD06/03/2013: Received 1st quarter 2013 groundwater monitoring report from CHCI. DL to eDocs. Will review. AD07/15/2013: Reviewed the report. It states that on March 14 and 15, 2013, CHCI conducted the quarterly site groundwater monitoring event; including monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection.Free product:During the March 2013 event, light NAPL was detected only in monitoring well MW-1 as a petroleum sheen. Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 10.593 gallons of NAPL have been recovered from the groundwater monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored on-site, placed inside a 55-gallon capacity drum set within a secondary containment.GW sampling:Groundwater monitoring activities included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at nine (9) of the site's monitoring wells.CHCI collected groundwater samples from the seventeen (17) monitoring wells (MW-1, MW-2, MW-3, MW-3S, MW-4, MW-4S, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, andMW-15).GW data - TVOCs (ppb):Non-detect or low levels of TVOCs:Wells; MW-2, MW-3, MW-4, MW-4S, MW-5, MW-6, MW-8, MW-9, MW-12, MW-14 and MW-15 were ND. Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 336 ppb an increase from 264ppb in December 2012;2. MW-13 - 236ppb a slight decrease from 248ppb December 2012Significant levels of VOCs were detected in samples collected from wells:3. MW-7 - 1,956ppb an increase from 1,654ppb in December 2012;4. MW-10 - 1389ppb a decrease from 1,756ppb in December 2012.5. MW-11 - 706 ppb a slight decrease from 724ppb in December 2012.GW data indicates that groundwater at the site localized in two areas: eastern part of the property inside the garage 9wells MW-7, MW-10 and MW-11), and the vicinity of the diesel USTs in the south-western part of the site (well MW-1 with free product and MW-13).CHCI states that the horizontal extent of the dissolved impact associated with these two areas of concern is now defined by the newly-installed MW-15 in the southwest direction. As part of the next quarter's field activities, the wells previously-authorized for installation as part of the EFR activities will be installed, and an EFR event will be scheduled and implemented at this site to expedite GW cleanup. This remediation technique is being considered in replacement or in advance of the bench-scale pilot study for chemical enhancement of aerobic and/or anaerobic degradation mechanisms previously authorized by the Department, and the degree of 'rebound' documented following the EFR activities will help further determine the degree of source area impact remaining at this parcel. NRN. AD

Remarks: took soil samples at above location - soil was saturated - now

SPILL NUMBER 0103168 (Continued) **S105055149**

waiting for samples to return

Material:

Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	327294
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	2106684
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	327293
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True

Tank Test:

AQ224 **10-22 44TH RD** **NY LTANKS** **S101341172**
WNW **10-22 44TH ROAD** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.465 mi.
2455 ft. **Site 2 of 2 in cluster AQ**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	191465
Spill Number/Closed Date:	9411116 / 1/20/1995
Spill Date:	11/18/1994
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial

10-22 44TH RD (Continued) **S101341172**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/20/1995
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	11/18/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/27/1995
Spill Record Last Update:	3/17/2003
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	159694
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"10/10/95: This is additional information about material spilled from the translation of the old spill file: VIRGIN MOTOR OIL.
Remarks:	E.I.K. FOR VIRGIN MOTOR OIL UST TANK 580GL. LEAK ABOVE THE LEVEL OF THE OIL IN THE TANK. FOUND THAT THE VENT PIPE WAS BROKEN -VENT PIPE REPLACED, TANK RETESTED

Material:

Site ID:	191465
Operable Unit ID:	1008988
Operable Unit:	01
Material ID:	376978
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	191465
Spill Tank Test:	1543371
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0

10-22 44TH RD (Continued) **S101341172**

Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

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225 NE 1/4-1/2 0.473 mi. 2495 ft.

NYCTA - SUPERIOR REED BLDG
29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1004762971**
FINDS **NYR000102319**
NY LTANKS
NY MANIFEST

Relative: Higher

Actual: 24 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NYCTA - SUPERIOR REED BLDG
Facility address: 29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101
EPA ID: NYR000102319
Mailing address: JAY ST ROOM 819
BROOKLYN, NY 11201
Contact: JAMES CRANDALL
Contact address: JAY ST ROOM 819
BROOKLYN, NY 11201
Contact country: US
Contact telephone: (718) 243-4581
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NEW YORK CITY TRANSIT
Owner/operator address: 370 JAY ST ROOM 819
BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 243-4581
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: NEW YORK CITY TRANSIT
Owner/operator address: 370 JAY ST ROOM 819
BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 243-4581
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCTA - SUPERIOR REED BLDG
Classification: Not a generator, verified

Date form received by agency: 11/27/2001
Facility name: NYCTA - SUPERIOR REED BLDG
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012185349

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

LTANKS:
Site ID: 292496
Spill Number/Closed Date: 9100729 / 11/30/2000
Spill Date: 4/18/1991
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 4/18/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/23/1991
Spill Record Last Update:	12/30/2002
Spiller Name:	Not reported
Spiller Company:	URS CONSULTANTS
Spiller Address:	282 DELAWARE AVE
Spiller City,St,Zip:	BUFFALO, NY 14202
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	236777
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"SEE ALSO 94-08603. sEE FILETransfered from Hale to Tibbe.
Remarks:	5K TANK FAILED PETRO TITE WITH A GROSS LEAK, TANK OUT OF SERVICE FOR 12YRS, NO ACTION YET DETERMINED, TANK TEST WAS DONE WITH WATER.

Material:

Site ID:	292496
Operable Unit ID:	954268
Operable Unit:	01
Material ID:	426913
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	292496
Spill Tank Test:	1538471
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY MANIFEST:

EPA ID:	NYR000102319
Country:	USA
Mailing Name:	NYCTA - SUPERIOR REED BLDG
Mailing Contact:	N/S
Mailing Address:	370 JAY ST RM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4581
Document ID:	NJA3185837
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/28/2001
Trans1 Recv Date:	11/28/2001
Trans2 Recv Date:	12/07/2001
TSD Site Recv Date:	12/07/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000102319
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	H10376
Waste Code:	F004 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

AR226 **RESIDANCE** **NY LTANKS** **S108957731**
NW **1120 43RD ROAD** **N/A**
1/4-1/2 **QUEENS, NY**
0.473 mi.
2497 ft. **Site 1 of 2 in cluster AR**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	389866
Spill Number/Closed Date:	0708879 / 12/19/2007
Spill Date:	11/14/2007
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	11/14/2007
CID:	404
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/14/2007

RESIDANCE (Continued) **S108957731**

Spill Record Last Update:	12/19/2007
Spiller Name:	MARLON JOSEPH
Spiller Company:	RESIDANCE
Spiller Address:	1120 43RD ROAD
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	MARLON JOSEPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	112
DEC Region:	2
DER Facility ID:	339444
DEC Memo:	11/20/07 bf: Sent ttf letter to:Harold RosenbergJ&B Realty LLC216 Cedar AvenueHewlett Bay Park, NY 1155712/13/07 Received call from Mohammad 718-784-5210. Tank was retested by PTC and passed. They did not know of 2nd fillport, so 1st test result was a failure. I told him to send a letter from PTC explaining this and the tank test results. bf12/19/07 Received letter from PTC by fax confirming the above. Passing tightness test results were included. NFA. bf
Remarks:	dry portion leak;

Material:

Site ID:	389866
Operable Unit ID:	1146990
Operable Unit:	01
Material ID:	2137380
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	389866
Spill Tank Test:	1815876
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	11/14/2007
Test Method:	Horner EZ Check I or II

AR227 **X** **NY LTANKS** **S105997827**
NW **11-20 43RD RD** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.473 mi.
2497 ft. **Site 2 of 2 in cluster AR**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	300672
Spill Number/Closed Date:	0210116 / 2/28/2006
Spill Date:	1/7/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	1/7/2003
CID:	211
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/7/2003
Spill Record Last Update:	2/28/2006
Spiller Name:	HAROLD ROSENBERG
Spiller Company:	Not reported
Spiller Address:	11-20 43RD RD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	HAROLD ROSENBERG
Spiller Phone:	(718) 784-5210
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	243201
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"ARAKHAN 1/7/03 TTF LETTER FAXED AND MAILED TO FACILITY PERSONNEL.1/7/04-Vought-Spill transferred from Vought to Austin.01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.11/28/05- DEC Piper spoke w/ Harold Rosenberg, Faxed old ttf letter. He stated that work was done on tank, then it passed. He will send info.2/10/06- DEC Piper spoke w/ Harold Rosenberg again requesting info. He stated that it was sent though I have never received info. He will send it again.2/28/06- DEC Piper reviewed invoices from PTC.As per invoices and conversation w/ Joe, minor repairs were made to the system. A loose connection in the system was responsible. Closed. E-docs.
Remarks:	Not reported

Material:

Site ID:	300672
Operable Unit ID:	863330
Operable Unit:	01
Material ID:	513517
Material Code:	0001A

X (Continued) **S105997827**

Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	300672
Spill Tank Test:	1527903
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

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228 **THYPIN STEEL** **NY LTANKS** **U000416651**
SSE **49-49 30TH STREET** **NY AST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY HIST AST**
0.474 mi. **NY MANIFEST**
2501 ft. **NY Spills**

Relative:
Lower

Actual:
12 ft.

LTANKS:

Site ID:	88995
Spill Number/Closed Date:	9312128 / 1/14/1994
Spill Date:	1/14/1994
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/14/1994
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	1/14/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/18/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	WHALECO FUEL OIL
Spiller Address:	1 COFFEY ST.
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported

THYPIN STEEL (Continued) **U000416651**

Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 81338
DEC Memo: Not reported
Remarks: WILL SEND AT SOMEONE W/ SPEEDY DRY.

Material:
Site ID: 88995
Operable Unit ID: 990742
Operable Unit: 01
Material ID: 391124
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-116211
Program Type: PBS
UTM X: 589645.39324999996
UTM Y: 4510449.5729999999
Expiration Date: N/A
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 3896
Affiliation Type: Facility Owner
Company Name: MANHASSET BAY ASSOC
Contact Type: MANAGER
Contact Name: RICHARD THYPIN
Address1: P.O. BOX 309
Address2: Not reported
City: PRINCETON
State: NJ
Zip Code: 08542
Country Code: 001
Phone: (718) 937-2700
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 7/30/2007

Site Id: 3896
Affiliation Type: Mail Contact

THYPIN STEEL (Continued) **U000416651**

Company Name:	MANHASSET BAY ASSOC
Contact Type:	Not reported
Contact Name:	RICHARD THYPIN
Address1:	P.O. BOX 309
Address2:	Not reported
City:	PRINCETON
State:	NJ
Zip Code:	08542
Country Code:	001
Phone:	(609) 497-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3896
Affiliation Type:	On-Site Operator
Company Name:	MBA LONG ISLAND CITY
Contact Type:	Not reported
Contact Name:	MBA LONG ISLAND CITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(609) 498-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3896
Affiliation Type:	Emergency Contact
Company Name:	MANHASSET BAY ASSOC
Contact Type:	Not reported
Contact Name:	RICHARD THYPIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(609) 497-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	004
Tank Id:	55775
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

THYPIN STEEL (Continued) **U000416651**

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B05 - Tank External Protection - Jacketed

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/2003
Register:	True
Modified By:	KXTANG
Last Modified:	07/30/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-116211
SWIS Code:	6301
Operator:	THYPIN STEEL CO INC
Facility Phone:	(718) 937-2700
Facility Addr2:	49049 30TH STREET
Facility Type:	TRUCKING/TRANSPORTATION
Emergency:	GARY GOLDIN
Emergency Tel:	(718) 967-3780
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MANHASSET BAY ASSOC
Owner Address:	C/O THYPIN STEEL CO. 49-49 30TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 937-2700
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MANHASSET BAY ASSOC
Mailing Address:	C/O THYPIN STEEL CO
Mailing Address 2:	49-49 30TH STREET
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 937-2700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	Not reported

THYPIN STEEL (Continued) **U000416651**

Expiration:	03/24/2002
Renew Flag:	False
Renew Date:	11/13/2001
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	004
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	06
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYR000121863
Country:	USA
Mailing Name:	THYPIN STEEL BUILDING FORMER
Mailing Contact:	MBA LLC
Mailing Address:	215 NASSAU ST
Mailing Address 2:	Not reported
Mailing City:	PRINCETON
Mailing State:	NJ
Mailing Zip:	08542
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	609-658-5395

THYPIN STEEL (Continued) **U000416651**

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	9607116
DER Facility ID:	81338
Facility Type:	ER
Site ID:	88996
DEC Region:	2
Spill Date:	9/5/1996
Spill Number/Closed Date:	9607116 / 12/29/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	EXHAMPST
Referred To:	Not reported
Reported to Dept:	9/5/1996
CID:	204
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/5/1996
Spill Record Last Update:	12/29/2005
Spiller Name:	MR GAMA
Spiller Company:	TYPHIN STEEL
Spiller Address:	49-49 30TH STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	BOB DECK
Contact Phone:	(718) 624-4842
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"This Spill cleanup project has been reassigned from DEC (Sigona)to Rommel on 2/2/2004.12/29/05 Transferred to E. Hampston via Spills Initiative. Contacted possible owner Richard Typhin (#609-497-0796) and left message regarding spill, requested call back.Site owner responded. Spill cleaned. Faxing disposal receipts (filed in eDocs).
Remarks:	Cross over line broke

Material:

Site ID:	88996
Operable Unit ID:	1038272
Operable Unit:	01
Material ID:	346384
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons

THYPIN STEEL (Continued) **U000416651**

Recovered: 50
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 9607319
DER Facility ID: 81338
Facility Type: ER
Site ID: 88997
DEC Region: 2
Spill Date: 9/10/1996
Spill Number/Closed Date: 9607319 / 9/16/1996
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: LUCE
Referred To: Not reported
Reported to Dept: 9/10/1996
CID: 205
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/10/1996
Spill Record Last Update: 12/24/2003
Spiller Name: CALLER
Spiller Company: WHALECO FUEL OIL
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NY 11231-
Spiller Company: 001
Contact Name: THYPIN STEEL INC.
Contact Phone: (718) 706-4557
DEC Memo: Not reported
Remarks: tank overfill.

Material:
Site ID: 88997
Operable Unit ID: 1038480
Operable Unit: 01
Material ID: 346588
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 15
Units: Gallons
Recovered: 15
Resource Affected: Not reported
Oxygenate: False

THYPIN STEEL (Continued) **U000416651**

Tank Test:

Facility ID:	9808784
DER Facility ID:	81338
Facility Type:	ER
Site ID:	70479
DEC Region:	2
Spill Date:	10/15/1998
Spill Number/Closed Date:	9808784 / 12/8/1998
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	10/15/1998
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/15/1998
Spill Record Last Update:	12/8/1998
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	ST
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"PTC HIRED BY TYPHIN STEEL TO DO CLEAN UP.
Remarks:	CALLER STATES THAT HE PARKS IFO THE ABOVE ADDRESS AND HE NOTICED A LARGE PUDDLE OF DIESEL FUEL IFO BUSINESS.

Material:

Site ID:	70479
Operable Unit ID:	1069974
Operable Unit:	01
Material ID:	316269
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

THYPIN STEEL (Continued) **U000416651**

Tank Test:

229
NNE
1/4-1/2
0.478 mi.
2522 ft.

COMMERCIAL BUILDING **NY LTANKS** **S107410496**
40-23 24TH ST' **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
32 ft.

LTANKS:

Site ID:	352289
Spill Number/Closed Date:	0506977 / 1/5/2006
Spill Date:	9/8/2005
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	9/8/2005
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/8/2005
Spill Record Last Update:	2/3/2006
Spiller Name:	VINNY LOVARI
Spiller Company:	COMMERCIAL BUILDING
Spiller Address:	40-23 24TH ST'
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	VINNY LOVARI
Spiller Phone:	(718) 967-9424
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	299586
DEC Memo:	11/30/2005 Sangesland spoke to rep at Island tank. She said the site was dug out and endpoints were clean. She said a closure report would be sent ASAP.1/4/06-Hiralkumar Patel. Here is the summary of the report from Island Environmental Tank, Inc.* According to owner, the tank has previously been used for the purpose of storing #2 heating oil and owner doesn't know when this tank was installed.* UST was installed horizontally in the backfill material, with the top of the tank located approximately 4' below the surface.* A 1080 gal. capacity tank was removed in the presence of Mr. Vinny Lovari of Island Tank Enviromental. After removal from cavity, tank has been cut and washed and removed oil and water mixture with vac/truck.* No groundwater or static surface water was encountered in the tank cavity.* Tank had pits and holes.* Tank cavity was excavated approximately 30 cubic yard of soil in 55 gal. drums and disposed at Jamaica Recycling Inc. Jamaica, NY.* Tank cavity was backfilled and

COMMERCIAL BUILDING (Continued) **S107410496**

compacted in place.* 6 samples were taken out from cavity and tested at Severn Trent Laboratory, Edison, NJ.* The metal tank and all metal tank system components were removed from teh owner's property and disposed of as scrap metal at John Iron & Metal Co.,Inc. 33 Arthur Kill Road, Staten Island, NY.1/5/06-Hiralkumar Patel. No Further Action required letter has been sent to Mr. John Domenico.Case closed as per Mr. Jeff Vought.02/03/06-Hiralkumar Patel. Send out NFA again through fax (212-689-6082) as per John's request.

Remarks: tnak removal found oil on the tank. THERE IS 3 OR 4 DRUMS THAT NEES TO BE REMOVED. THE TANK HAS BEEN CUT UP.

Material:

Site ID:	352289
Operable Unit ID:	1109795
Operable Unit:	01
Material ID:	2099814
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AP230 **43-41 32ND PLACE** **NY LTANKS** **S100560351**
East **43-41 32ND PLACE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.481 mi.
2539 ft. **Site 4 of 4 in cluster AP**

Relative:
Higher

Actual:
37 ft.

LTANKS:

Site ID:	307482
Spill Number/Closed Date:	9303078 / 6/25/1993
Spill Date:	6/8/1993
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	6/25/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	GRIFFIN
Referred To:	Not reported
Reported to Dept:	6/8/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/1993

43-41 32ND PLACE (Continued) **S100560351**

Spill Record Last Update:	7/19/1993
Spiller Name:	Not reported
Spiller Company:	ACCO USA INC.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	248321
DEC Memo:	Not reported
Remarks:	SOIL FOUND UNDER 1200 GAL U/G TANK - TO STOCK PILE SOIL AND SEND SAMPLES TO LAB.

Material:

Site ID:	307482
Operable Unit ID:	981294
Operable Unit:	01
Material ID:	400169
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

231
NE
1/4-1/2
0.497 mi.
2623 ft.

KAL REALTY **NY LTANKS** **S103478273**
29-24 40TH AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
29 ft.

LTANKS:

Site ID:	172099
Spill Number/Closed Date:	9806658 / 6/15/2005
Spill Date:	8/28/1998
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	GWHEITZM
Referred To:	Not reported
Reported to Dept:	8/31/1998
CID:	211
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported

KAL REALTY (Continued) **S103478273**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/31/1998
Spill Record Last Update:	6/15/2005
Spiller Name:	CLIFF WENGLEN
Spiller Company:	KAL REALTY
Spiller Address:	29-24 40TH AV
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	CLIFF WENGLEN
Spiller Phone:	(718) 784-2842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	144848
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"NO PREVIOUS SPILL REPORT6/15/05 Heitzman: See PBS #2-23865. 3000-gallon #2 fuel tank closed January 1999, and replaced with 1500-gallon above ground, suction piped #2 fuel tank. Spill closed.
Remarks:	TANK PREVIOUSLY TESTED AND FAILED - ON RETEST FAILED AGAIN

Material:

Site ID:	172099
Operable Unit ID:	1067880
Operable Unit:	01
Material ID:	317808
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	172099
Spill Tank Test:	1546206
Tank Number:	1
Tank Size:	0
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

232
NE
1/4-1/2
0.499 mi.
2636 ft.

CLOSED-LACKOF RECENT INFO
29024 40TH AVENUE
LONG ISLAND CITY, NY

NY LTANKS **S100144984**
N/A

Relative:
Higher

Actual:
27 ft.

LTANKS:

Site ID:	125139
Spill Number/Closed Date:	8709369 / 3/13/2003
Spill Date:	2/3/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	2/3/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/10/1988
Spill Record Last Update:	3/13/2003
Spiller Name:	Not reported
Spiller Company:	KAL REALTY (OWNER)
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	108274
DEC Memo:	Not reported
Remarks:	CONTACT: CLIFFORD WENGLIM AT KAL REALTY. 3K TANK SYSTEM FAILED PETROTITE/ LEAK RATE = -.673GPHCLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	125139
Operable Unit ID:	914629
Operable Unit:	01
Material ID:	464694
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

CLOSED-LACKOF RECENT INFO (Continued) **S100144984**

Tank Test:

Site ID:	125139
Spill Tank Test:	1533169
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

---

233 NE 1/2-1 0.576 mi. 3042 ft.

FRESH CLEANERS & LAUNDRY INC
39-26 30TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG 1001125032
NY SHWS NYR000034363
NY MANIFEST
NY BROWNFIELDS

Relative: Higher

Actual: 35 ft.

RCRA-SQG:

Date form received by agency:	05/01/2007
Facility name:	FRESH CLEANERS & LAUNDRY INC
Facility address:	39-26 30TH ST LONG ISLAND CITY, NY 11101
EPA ID:	NYR000034363
Mailing address:	30TH ST LONG ISLAND CITY, NY 11101
Contact:	MOON S PARK
Contact address:	30TH ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-9734
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRESH CLEANERS & LAUNDRY INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2007
Owner/Op end date:	Not reported
Owner/operator name:	MOON S PARK
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/16/2007
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/30/2007
Facility name: FRESH CLEANERS & LAUNDRY INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/2006
Facility name: FRESH CLEANERS & LAUNDRY INC
Site name: BRIDGE CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 01/13/1997
Facility name: FRESH CLEANERS & LAUNDRY INC
Site name: BRIDGE CLEANERS
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D007
Waste name: CHROMIUM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
  - Enforcement action date: 11/16/2012
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: EPA
  - Proposed penalty amount: Not reported
  - Final penalty amount: 35098
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: INITIAL 3008(A) COMPLIANCE
  - Enforcement action date: 03/29/2007
  - Enf. disposition status: Dropped
  - Enf. disp. status date: 10/01/2011
  - Enforcement lead agency: EPA
  - Proposed penalty amount: 35098
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 05/18/2006
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: EPA
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 10/01/2011
- Evaluation: NOT A SIGNIFICANT NON-COMPLIER
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: EPA

- Evaluation date: 08/18/2011
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/02/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/29/2006
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/02/2007
Evaluation lead agency: EPA

Evaluation date: 08/28/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

SHWS:
Program: HW
Site Code: 440982
Classification: N
Region: 2
Acres: .173
HW Code: 241127
Record Add: 10/15/2010
Record Upd: 10/31/2013
Updated By: MJKOMORO
Site Description: LOCATION: The site is located in an urban area. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings. See Site No. C241127SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade.

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	On-Site Operator
Sub Type:	03
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	37-24 30th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

NY MANIFEST:
EPA ID: NYR000034363
Country: USA
Mailing Name: BRIDGE CLEANERS
Mailing Contact: YOUNG YOO
Mailing Address: 39-26 30TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-706-1077

Document ID: NYC4872317
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYGF2859
Trans2 State ID: MO001
Generator Ship Date: 970925
Trans1 Recv Date: 970925
Trans2 Recv Date: 970930
TSD Site Recv Date: 971001
Part A Recv Date: 971103
Part B Recv Date: 971024
Generator EPA ID: NYR000034363
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: MOD095038998
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97

Document ID: NYC5907644
Manifest Status: Not reported
Trans1 State ID: SCD987574647
Trans2 State ID: ILD984908202
Generator Ship Date: 09/23/1999
Trans1 Recv Date: 09/23/1999
Trans2 Recv Date: 09/23/1999
TSD Site Recv Date: 10/01/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: T104414

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00780
Units:	P - Pounds
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5499213
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	01/12/1999
Trans1 Recv Date:	01/12/1999
Trans2 Recv Date:	01/13/1999
TSD Site Recv Date:	01/19/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	NYLP3931
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00585
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5555621
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	05/07/1999
Trans1 Recv Date:	05/07/1999
Trans2 Recv Date:	05/12/1999
TSD Site Recv Date:	05/16/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	AM6252NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	01560
Units:	P - Pounds
Number of Containers:	085
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Document ID:	NYC5565598
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	03/16/1999
Trans1 Recv Date:	03/16/1999
Trans2 Recv Date:	03/17/1999
TSD Site Recv Date:	03/19/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	LP3931NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5892254
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	08/24/1999
Trans1 Recv Date:	08/24/1999
Trans2 Recv Date:	09/01/1999
TSD Site Recv Date:	09/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	AM6252NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5679066
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	07/02/1999
Trans1 Recv Date:	07/02/1999
Trans2 Recv Date:	07/07/1999
TSD Site Recv Date:	07/15/1999
Part A Recv Date:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: AM6252NY
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00480
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYC5933542
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647
Generator Ship Date: 11/16/1999
Trans1 Recv Date: 11/16/1999
Trans2 Recv Date: 11/24/1999
TSD Site Recv Date: 11/30/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: AM6252NY
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYC6918390
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 11/05/2002
Trans1 Recv Date: 11/05/2002
Trans2 Recv Date: 11/08/2002
TSD Site Recv Date: 11/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NY384168J
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00975
Units: P - Pounds
Number of Containers: 003

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6740561
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 07/25/2002
Trans1 Recv Date: 07/25/2002
Trans2 Recv Date: 08/02/2002
TSD Site Recv Date: 08/02/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NYGF1411
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6806575
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 06/04/2002
Trans1 Recv Date: 06/04/2002
Trans2 Recv Date: 06/07/2002
TSD Site Recv Date: 06/07/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NY94885JE
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00585
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6660584
Manifest Status: Not reported
Trans1 State ID: SCR000075150

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 State ID: Not reported
Generator Ship Date: 02/09/2002
Trans1 Recv Date: 02/09/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NJXAB6384
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00780
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG0325764
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 04/12/2004
Trans1 Recv Date: 04/12/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/15/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019366
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 11/12/2004
Trans1 Recv Date: 11/12/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/18/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00090
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019618
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 09/03/2004
Trans1 Recv Date: 09/03/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/09/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2018214
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 05/27/2004
Trans1 Recv Date: 05/27/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/02/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00520
Units: P - Pounds
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Year: 2004

Document ID: NYG2018745
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 07/27/2004
Trans1 Recv Date: 07/27/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/29/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00650
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019114
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 10/11/2004
Trans1 Recv Date: 10/11/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/14/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00780
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG4447602
Manifest Status: Not reported
Trans1 State ID: NJD000564906
Trans2 State ID: Not reported
Generator Ship Date: 02/24/2006
Trans1 Recv Date: 02/24/2006

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/03/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	NJ420
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000564906
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00520
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2006

Document ID:	NYG4242249
Manifest Status:	Not reported
Trans1 State ID:	NJD000564906
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2006
Trans1 Recv Date:	07/27/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/04/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	NJ420
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000564906
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00160
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2006

Click this hyperlink while viewing on your computer to access
118 additional NY_MANIFEST: record(s) in the EDR Site Report.

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

BROWNFIELDS:
Program: BCP
Site Code: 480014
Site Description: LOCATION: This is an off-site of the The Bridge Cleaners site located at 39-26 30th Street in Long Island City, an urban area. SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings.HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade. Significant Threat: "The site presents a significant environmental threat due to the ongoing releases of contaminants from source areas into groundwater."
Health Problem: Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Furthermore,

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

environmental sampling indicates that soil vapor intrusion represents a concern for on and off-site structures and additional evaluation is necessary to determine the extent of exposure to contamination in this media.

Program: BCP
Site Code: 464609
Site Description: LOCATION: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings.HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.5/17/13-DEC signed the Brownfield Cleanup Agreement for this site.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade, and below the water table at 25.5 feet.
Health Problem: Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Furthermore, environmental sampling indicates that soil vapor intrusion represents a concern for on and off-site structures and additional evaluation is necessary to determine the extent of exposure to contamination in this media.

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234 West 1/2-1 0.599 mi. 3161 ft. **KOSAN INDUSTRIAL CORP** **CORRACTS** **1000150474**
5-49 49TH AVE **RCRA NonGen / NLR** **NYD061949228**
LONG ISLAND CITY, NY 11101 **FINDS**
NY MANIFEST

Relative: Lower

Actual: 7 ft.

CORRACTS:

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	20040113
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950228
Action:	CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950425
Action:	CA050 - RFA Completed
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950425
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Schedule end date: Not reported

EPA ID: NYD061949228
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950425
Action: CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
NAICS Code(s): 32551
Paint and Coating Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD061949228
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19930908
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32551
Paint and Coating Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: KOSAN INDUSTRIAL CORP
Facility address: 5-49 49TH AVE
LONG ISLAND CITY, NY 111015610
EPA ID: NYD061949228
Mailing address: 49TH AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 49TH AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STEPHEN GALGANO
Owner/operator address: 465 LOGAN ST
BROOKLYN, NY 11208
Owner/operator country: US
Owner/operator telephone: (212) 277-3333
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEPHEN GALGANO
Owner/operator address: 465 LOGAN ST

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 277-3333
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 02/28/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.

Event date: 04/25/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Event date: 04/25/1995
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.

Event date: 04/25/1995
Event: RFA Completed

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/13/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000616539

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD061949228
Country: USA
Mailing Name: KOSAN INDUSTRIAL CORP
Mailing Contact: THOMAS GILCHRIST OWNER SE
Mailing Address: 5-49 49ATH AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-784-8385

Document ID: NYO3019401
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 830616
Trans1 Recv Date: 830616
Trans2 Recv Date: Not reported
TSD Site Recv Date: 830616
Part A Recv Date: 030628

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Part B Recv Date: 030628
Generator EPA ID: NYD061949228
Trans1 EPA ID: NYD000824334
Trans2 EPA ID: Not reported
TSDF ID: NYD000824334
Waste Code: F003 - UNKNOWN
Quantity: 01100
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 020
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 83

Document ID: NYO3080565
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 830831
Trans1 Recv Date: 830831
Trans2 Recv Date: Not reported
TSD Site Recv Date: 830831
Part A Recv Date: 030913
Part B Recv Date: 030913
Generator EPA ID: NYD061949228
Trans1 EPA ID: NYD000824334
Trans2 EPA ID: Not reported
TSDF ID: NYD000824334
Waste Code: F003 - UNKNOWN
Quantity: 00385
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 83

Document ID: NYO1651896
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 821117
Trans1 Recv Date: 821117
Trans2 Recv Date: Not reported
TSD Site Recv Date: 821117
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD061949228

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO1650393
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820703
Trans1 Recv Date:	820703
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820730
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00715
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO1650717
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820915
Trans1 Recv Date:	820915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820915
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Specific Gravity:	100
Year:	82
Document ID:	NYO2904912
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830210
Trans1 Recv Date:	830210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830210
Part A Recv Date:	030222
Part B Recv Date:	030222
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83

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235 **AMTRAK SUNNYSIDE YARD** **NY SHWS** **S103575644**
NE **39-29 HONEYWELL STREET** **NY LTANKS** **N/A**
1/2-1 **LONG ISLAND CITY, NY** **NY Spills**
0.620 mi.
3273 ft.

Relative:
Higher

Actual:
23 ft.

SHWS:

Program:	HW
Site Code:	57794
Classification:	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region:	2
Acres:	133.000
HW Code:	241006
Record Add:	11/18/1999
Record Upd:	05/28/2013
Updated By:	JHOCONNE

Site Description: Location:Sunnyside Yard (the Site) is located at 39-29 Honeywell Street, Long Island City, Queens County, New York.Site Features:The Site is a railroad maintenance and storage facility that currently encompasses approximately 133 acres. Newtown Creek, which defines the border between Queens and Kings Counties, is located less than 0.5 mile south of the western portion of the Site. The Site is bordered by commercial/residential properties, with Northern Boulevard located to the north, 42nd Place located to the east, Thompson Avenue to the west, and Skillman Avenue located to the south. Current Zoning/Use:The Site is located in Manufacturing Zone (M1-1) and used as a railroad maintenance and storage facility Historic Use:The Yard was originally constructed in the early 1900's by the Pennsylvania Tunnel and Terminal Company, a subsidiary of Pennsylvania Railroad (later known as the Penn Central Transportation Company). On April 1,

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

1976, the Consolidated Rail Corporation (Conrail) acquired the Site, and the same day conveyed it to Amtrak, which has continued to operate it as a storage and maintenance facility for railroad rolling stock. Prior to September 29, 1961, a portion of the yard was owned by Long Island Rail Road (LIRR). Today, the LIRR maintains a right-of-way through the Yard. The Long Island Railroad (LIRR) is constructing tunnels through the Yard as part of its East Side Access (ESA) project. An extensive cleanup program was completed in 1996 to remove PCB contaminated sediment from impacted sewer manholes with subsequent sampling to identify sewer segments and manholes with recurring PCB contaminated sediment impacts.Operable Units:The site is divided into six operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. The operable units for this site are: Operable unit 1 (OU1) is the soil above the water table within the footprint of the High Speed Trainset Facility Service and Inspection (HSTF S and I) Building.Operable unit 2 (OU2) is the soil above the water table within the footprint of the HSTF S and I Building ancillary structures.Operable unit 3 (OU3) is the soil and separate phase petroleum hydrocarbon accumulation above the water table and soil below the water table within 8 acres in the north central portion of the Site.Operable unit 4 (OU4) is the soil above the water table (unsaturated zone) at the Site, excluding OU-1, OU-2, and OU-3. Operable unit 5 (OU5) is the sewer system (water and sediment) beneath the Site. Operable unit 6 (OU6) is the groundwater and saturated soil beneath the Site. Site Geology and Hydrology:Historic fill on the Site is predominantly comprised of reworked glacial deposits (unstratified sand, silt, clay and gravel) and railroad ballast, with lesser amounts of ash, cinders and construction debris. With the exception of paved areas, land occupied by buildings, and vegetated areas, the railroad ballast is ubiquitous at the land surface throughout the Site. Groundwater beneath the Site occurs in fill deposits, wetlands, or the Upper Pleistocene glacial deposits. The saturated Upper Pleistocene deposits comprise the Upper Glacial aquifer. The depth to groundwater across the Site varies from one to fifteen feet below ground surface. Groundwater within the shallow deposits flows predominantly west across the Site. However, groundwater between Queens Boulevard and Honeywell Street flows northerly and northwesterly toward the buried flow path of the Dutch Kills Creek and/or East River. In the deeper deposits, groundwater predominantly flows west across the Site.

Env Problem: Nature and Extent of Contamination:Prior to Remediation:Remedial investigations have been conducted in multiple phases under NYSDEC oversight pursuant to the consent order. Seventeen specific areas of concern (AOC) were identified of concern (COCs). The following environmental exposure pathways and ecological risks have been identified for the Site:The Site poses an environmental threat associated with the potential impacts of contaminants to groundwater from soils impacted by the COC's. Continued migration of contaminated groundwater from off-site sources poses a potential environmental threat to on-site groundwater. Off-site sources will be addressed by remedial programs for the respective neighboring sites, as appropriate. There are no wetlands or other exposure pathways to fish and wildlife receptors in the Site.Operable Unit 1: Polychlorinated biphenyls (PCBs) were detected in 16 of 19 soil samples; all but one

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were less than 1 parts per million (ppm). The maximum concentration was 2 ppm. Six semi-volatile organic compounds (SVOCs), specifically carcinogenic polycyclic aromatic hydrocarbons (cPAHs), were detected above Technical and Administrative Guidance Memo (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs) at depths up to three feet below ground surface (bgs). However, there was only one exceedance of the site specific soil cleanup level (SSSCL) of 10 ppm. Operable Unit 2: The soil above groundwater was sampled at depths up to three feet bgs. PCBs were detected in 15 of the 20 samples at a maximum concentration of 4.5 ppm. The other compounds of concern (COCs), lead and total cPAHs, were also detected at levels below the SSSCLs of 1000 ppm and 25 ppm respectively. Therefore, No Action was selected in the Record of Decision (ROD). Operable Unit 3:Surface Soil - The SSSCLs were exceeded for PCBs (2 out of 102 samples); lead (3 out of 3) and cPAHs (2 out of 27). The maximum concentration for PCBs was 73 ppm; for lead it was 1,080 ppm and cPAHs 108 ppm. Additionally, half an acre of visible petroleum contaminated surface soil was delineated at an average depth of one foot bgs. Subsurface Soil - There were no exceedances of the SSSCLs for the COCs.Waste Materials - The waste material onsite consists of PCB contaminated petroleum present in: (1) surface soils as mentioned above; (2) a potentially mobile separate phase hydrocarbon (SPH) plume floating over the groundwater surface; (3) a residual SPH trapped in soil pores below the water table; and (4) residues in underground structures. Sixty-five samples of SPH were collected and analyzed for PCBs. The maximum concentration was 360 ppm. SPH and sludge samples taken from underground structures contained PCB concentrations of 512 and 517 ppm respectively.Operable Unit 4:Surface Soil - There were exceedances of the SSSCLs for PCBs (60 out of 786 samples); lead (52 out of 471); and cPAHs (31 out of 436). The maximum PCB concentration was 25,000 ppm; cPAH was 113 ppm and lead was 7,020 ppm.Subsurface Soil - There were exceedances in soil samples for the SSSCLs viz. PCBs (13 of 455); lead (17 of 354) and cPAHs (18 of 376). The maximum PCB concentration was 3500 ppm; lead was 2600 ppm and cPAH was 119 ppm.Operable Unit 5:Sewer Sediment - PCBs were detected in 29 samples of sediment from the sewers at concentrations ranging from 0.053 ppm at MH-69 to 120 ppm at MH-6. PCB concentrations at MH-6 (one sample) and MH-38 (two samples) exceeded the 25 ppm NYSDEC-approved site specific soil cleanup level. MH-6 was remediated as an IRM in October 2011.Sewer Water - Discrete water samples (filtered and unfiltered) were collected from 12 manhole locations and analyzed for PCBs during performance of the OU-5 RI. PCBs were detected in 17 of 39 unfiltered samples with concentrations ranging from 0.14 parts per billion (ppb) to a high of 83 ppb. Five of the unfiltered samples, one from MH-3, three from MH-6 and one from MH-40 exceeded the 1 ppb waste water effluent limit. The waste water effluent limit is appropriate since the sewer discharges to a Waste Water Treatment Plant. Only one of the 39 filtered samples (MH-3) contained PCBs at a concentration (1.8 ppb) slightly exceeding the 1 ppb waste water effluent limit.Operable Unit 6:Saturated Subsurface Soil - A total of 159 samples of soil were collected from 29 boring locations. There were no exceedances of the SSSCLs for the COCs.Groundwater - Three plumes of chlorinated volatile organic compounds (CVOCs) were defined at the site. However, none of these were attributable to site operations, but are attributable to off-site sources. No site related groundwater contamination of concern was identified.Post Remediation:Remediation has been

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	completed in OU-1 where 472 tons of contaminated soil, fill and debris were excavated and disposed of along with 280 cubic yards of concrete and asphalt and 2,450 gallons of liquid. A No Action ROD was issued for OU-2. Remediation has been initiated at OU-3 and OU-4. The OU-5 ROD for cleaning the sewers was issued on March 27, 2011, and the OU-6 ROD (No Action) was issued on March 30, 2010.
Health Problem:	Groundwater in the area of the site is not used as a source of potable water. Access to the site is controlled, preventing trespassers from coming in contact with contaminated soils.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1910
Disp Term:	unknown
Lat/Long:	40:45:03:0 / 73:56:01:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	400 N. CAPITOL ST. NW
Owner Addr2:	Not reported
Owner City,St,Zip:	WASHINGTON, DC 20001
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	JOSEPH P. DEVITO
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	39-29 HONEYWELL ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Queens Public Library
Owner Address:	Sunnyside Branch
Owner Addr2:	43-06 Greenpoint Avenue
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	National Rail Passenger Corporation

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Owner Address:	400 North Capitol Street NW
Owner Addr2:	Not reported
Owner City,St,Zip:	Washington, DC 20001
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Amtrak - Sunnyside Yard
Owner Address:	39-29 Honeywell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Amtrak and New Jersey Transit Corp
Owner Address:	39-29 Honeywell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Sunnyside, NY 11101
Owner Country:	United States of America
HW Code:	241006
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	METHYL-TERT-BUTYL ETHER (MTBE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	1,1,2-TRICHLORETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: 1,2,4-TRICHLOROBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO[K]FLUORANTHENE

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: P-79652
Cross Ref Type Code: 11
Cross Ref Type: ICS ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 2/24/2005 3:54:00 PM
Updated By: INITIAL

LTANKS:
Site ID: 97453
Spill Number/Closed Date: 9013163 / 3/14/2003
Spill Date: 3/23/1991
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 3/26/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/4/1991
Spill Record Last Update: 3/30/2004
Spiller Name: Not reported
Spiller Company: AMTRAK
Spiller Address: 39-29 HONEYWELL STREET
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 86808
DEC Memo: Not reported
Remarks: 20K TANK FAILED,CONTRACTOR WILL PUMP TANK,PRESENTLY ROUX ASSOCIATES PERFORMING SITE ASSESSMENT,SITE IS PART OF RIFF PROJECT,JAMES QUINN, DEC REMEDIAL ACTION (518-457-3395).CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:
Site ID: 97453
Operable Unit ID: 950385
Operable Unit: 01
Material ID: 426055
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	97453
Spill Tank Test:	1538365
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	97456
Spill Number/Closed Date:	9207333 / 11/24/2003
Spill Date:	1/1/1991
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	9/24/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/28/1992
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	86808
DEC Memo:	Not reported
Remarks:	ALL 14 TANKS CLEANED AND FILLED W/CONCRETE 4 TEST BORINES DONE 2/10/92, 4 EA MONITORING WELLS 3/3/92 INDICATES CONTAMINATED SOIL AND G/W CLOSED SITE 1960

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material:

Site ID:	97456
Operable Unit ID:	970974
Operable Unit:	01
Material ID:	407971
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	8703955
DER Facility ID:	86808
Facility Type:	ER
Site ID:	97452
DEC Region:	2
Spill Date:	8/12/1987
Spill Number/Closed Date:	8703955 / 8/12/1987
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	8/12/1987
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Local Agency
Cleanup Ceased:	8/12/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/18/1987
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FIRE ON LOCOMOTIVE CARRYING TRANSFORMER.

Material:

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Site ID:	97452
Operable Unit ID:	907846
Operable Unit:	01
Material ID:	470160
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9804210
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219140
DEC Region:	2
Spill Date:	7/2/1998
Spill Number/Closed Date:	9804210 / 8/27/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/3/1998
CID:	365
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/3/1998
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASSENG
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	RICHARD MOHLENHOFF
Contact Phone:	(212) 630-7246
DEC Memo:	Not reported
Remarks:	Small railroad tie fire occurred last night - drum near by spilled - clean up in progress

Material:

Site ID:	219140
Operable Unit ID:	1065071

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Operable Unit:	01
Material ID:	318926
Material Code:	0021
Material Name:	Transmission Fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0103793
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219136
DEC Region:	2
Spill Date:	7/10/2001
Spill Number/Closed Date:	0103793 / 6/26/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/10/2001
CID:	382
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/10/2001
Spill Record Last Update:	3/30/2004
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	A leak from either pipe or tank of a low ph car wash fluid - leak found while repairing tank. most contained to inside area but some seepage into ground. clean up in progress by clean harbors and amtrack Not reported

Material:

Site ID:	219136
Operable Unit ID:	840419

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Operable Unit:	01
Material ID:	535869
Material Code:	0045A
Material Name:	CLEANING CHEMICALS/PRODUCTS
Case No.:	Not reported
Material FA:	Other
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9102570
DER Facility ID:	86808
Facility Type:	ER
Site ID:	97454
DEC Region:	2
Spill Date:	6/4/1991
Spill Number/Closed Date:	9102570 / 6/4/1991
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	6/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Local Agency
Cleanup Ceased:	6/4/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/12/1991
Spill Record Last Update:	11/24/2003
Spiller Name:	Not reported
Spiller Company:	STAR ENTERPRISE
Spiller Address:	Not reported
Spiller City,St,Zip:	DELAWARE CITY, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"06/04/91: NYCFD HAZ MAT (SCOTT KIRCHHOFER) FIRST NOTIFIED BY A LIRR EMPLOYEE ABOUT SMELLING AN ODOR & NOTICING A HISSING NOISE ON TOP OF TANK, NYCDEP ON SCENE,NYCFD SLOWED THE LEAK SIGNIFICANTLY. Spill Site Investigation has been consolidated under Spill No.8503066 and Site Investigation and Remediation is BeingSupervised by Hazardous Waste Remediation Under DEC Site No.241006 Under the State Superfund Registry as a Class 2 SuperfundSite.
Remarks:	LEAK FROM TANK CAR,STREETS CLOSED FROM 31ST ST TO STEINWAY ALONG

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

NORTHERN BLV,NYCFD ATTEMPTING TO SEAL THE LEAK,GATX LEASED THE RR CAR TO ANOTHER COMPANY FOR TRANSPORT,EPA(JOHN HIGGINS)TO RESPOND

Material:

Site ID:	97454
Operable Unit ID:	953473
Operable Unit:	01
Material ID:	425081
Material Code:	0599A
Material Name:	LPG
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9903705
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219143
DEC Region:	2
Spill Date:	6/29/1999
Spill Number/Closed Date:	9903705 / 11/24/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	6/30/1999
CID:	390
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/30/1999
Spill Record Last Update:	11/24/2003
Spiller Name:	ROBERT LAROSA
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	ROBERT LAVELLE
Contact Phone:	(212) 630-7245
DEC Memo:	Not reported
Remarks:	NOTICED SPIIL DURING EXCAVATION - APPEARS TO BE OLD SPILL

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material:

Site ID:	219143
Operable Unit ID:	1078257
Operable Unit:	01
Material ID:	303613
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	219143
Operable Unit ID:	1078257
Operable Unit:	01
Material ID:	303614
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

236
North
1/2-1
0.712 mi.
3759 ft.

Relative:
Higher

Actual:
16 ft.

D D K PRO CLEANERS **NY SHWS S109826034**
38-68 13TH ST **NY MANIFEST N/A**
LONG ISLAND CITY, NY 11101

SHWS:

Program:	HW
Site Code:	439625
Classification:	P
Region:	2
Acres:	.110
HW Code:	241126
Record Add:	09/08/2010
Record Upd:	09/20/2011
Updated By:	JBVOUGHT

Site Description: The Site is located in the Long Island City section of Queens in a zoned manufacturing area with residential zoning approximately 300 feet to the south. The Site had been a residential building with garages beginning in 1898, was vacant from 1947-1950, was used for sheet metal work from 1967-1983 and was converted from sheet metal work to dry cleaning in 1997. The Site is currently an active dry cleaning facility. The one-story building foundation is slab-on-grade

D D K PRO CLEANERS (Continued) **S109826034**

and contains dry cleaning machines, garment storage area, storage, boiler room, office, customer service area, bathroom and partial basement. The building covers the entire footprint of the site. The building has three 4th-generation dry cleaning machines on a secondary containment concrete slab, five washers and a dryer, several empty 15-gal waste containers, spill containment material container, a spotting stand, ten press machines, three sets of shirt machines, four air compressors, two refrigerated dryers and a sump. The Site and building are approximately 5000 square feet in size (0.11 acres). A residential building is located immediately to the northwest (0.01 miles), a stonework building is to the northeast, a fine arts furniture building to the southwest and 13th Street to the southeast.

Env Problem:	Based upon investigations conducted to date, the primary contaminants of concern at the site include tetrachloroethene (PCE) and dichloroethene (DCE). One round of groundwater sample collection was performed in June 2009 via two Geoprobe borings located in the sidewalk in front of the site building. Groundwater samples were analyzed via EPA Methods 8260/8270. No soil samples were collected for analysis during the investigation. The following maximum concentrations with contaminants were observed in groundwater: 26ppb PCE and 63ppb DCE. These results demonstrate that groundwater standards have been exceeded for PCE and DCE. The nearest surface water body is the East River, which is located approximately 2000 feet (0.3 miles) to the west. Groundwater is approximately 7 to 8 feet below grade and most likely flows west under the Site to the East River, however direction of flow has not been specifically determined to date. Site characterization is required to evaluate the presence or absence of hazardous waste on the site, and to collect data sufficient to determine if the site poses a significant threat to public health or the environment.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Maryuhn Young Moon
Owner Company:	Best DDK Cleaners
Owner Address:	471 Tulane Court
Owner Addr2:	Not reported
Owner City,St,Zip:	Paramus, NJ 07654
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

NY MANIFEST:
EPA ID: NYR000164277
Country: USA
Mailing Name: D D K PRO CLEANERS
Mailing Contact: KYAW
Mailing Address: 38-68 13TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-784-2407

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000081205
Trans2 State ID: Not reported
Generator Ship Date: 28-May-2013 00:00:00
Trans1 Recv Date: 28-May-2013 00:00:00
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12-Jun-2013 00:00:00
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 660
Units: P - Pounds
Number of Containers: 6
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 003308229SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H020

D D K PRO CLEANERS (Continued) **S109826034**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	480
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1

D D K PRO CLEANERS (Continued) **S109826034**

Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	440
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	240
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	08-Apr-2013 00:00:00
Trans1 Recv Date:	08-Apr-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	16-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003403011SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: OKD981588791
Generator Ship Date: 2010-01-28
Trans1 Recv Date: 2010-01-28
Trans2 Recv Date: 2010-02-23
TSD Site Recv Date: 2010-02-25
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OHD980587364
Waste Code: Not reported
Quantity: 780.0
Units: P - Pounds
Number of Containers: 4.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2010
Manifest Tracking Num: 002051873SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: OHR000110858
Generator Ship Date: 2009-05-06
Trans1 Recv Date: 2009-05-06
Trans2 Recv Date: 2009-05-14
TSD Site Recv Date: 2009-05-15
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OHD980587364
Waste Code: Not reported
Quantity: 15.0
Units: P - Pounds
Number of Containers: 8.0

D D K PRO CLEANERS (Continued) **S109826034**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	195.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-11-11
Trans1 Recv Date:	2009-11-11
Trans2 Recv Date:	2009-11-13
TSD Site Recv Date:	2009-11-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	385.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000281979CEX
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Quantity:	660.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

D D K PRO CLEANERS (Continued) **S109826034**

Click this hyperlink while viewing on your computer to access
62 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYR000001917
Country:	USA
Mailing Name:	LAMODE QUEENS
Mailing Contact:	SUNS WON AHN
Mailing Address:	38-68 13TH ST
Mailing Address 2:	Not reported
Mailing City:	QUEENS
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2844

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	660
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	480
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	440
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	240
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	08-Apr-2013 00:00:00
Trans1 Recv Date:	08-Apr-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	16-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003403011SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

D D K PRO CLEANERS (Continued) **S109826034**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OKD981588791
Generator Ship Date:	2010-01-28
Trans1 Recv Date:	2010-01-28
Trans2 Recv Date:	2010-02-23
TSD Site Recv Date:	2010-02-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	780.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	002051873SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0

D D K PRO CLEANERS (Continued) **S109826034**

Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	195.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-11-11
Trans1 Recv Date:	2009-11-11

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 Recv Date:	2009-11-13
TSD Site Recv Date:	2009-11-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	385.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000281979CEX
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2011-11-28
Trans1 Recv Date: 2011-11-28
Trans2 Recv Date: 2011-12-01
TSD Site Recv Date: 2011-12-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 80.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 002592410SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2011-04-01
Trans1 Recv Date: 2011-04-01
Trans2 Recv Date: 2011-04-07
TSD Site Recv Date: 2011-04-08
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 660.0
Units: P - Pounds
Number of Containers: 6.0

D D K PRO CLEANERS (Continued) **S109826034**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Click this hyperlink while viewing on your computer to access
62 additional NY_MANIFEST: record(s) in the EDR Site Report.

237
SSE
1/2-1
0.748 mi.
3949 ft.

ACTIVE STEEL DRUM CO INC
52-30 34TH ST
LONG ISLAND CITY, NY 11101

CORRACTS **1000265123**
RCRA NonGen / NLR **NYD003933355**
FINDS
NY MANIFEST

Relative:
Higher

Actual:
21 ft.

CORRACTS:

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	20040113
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19930908
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950919
Action:	CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950928
Action:	CA050 - RFA Completed
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Schedule end date: Not reported

EPA ID: NYD003933355
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950928
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 332439 81149 42184
Other Metal Container Manufacturing
Other Personal and Household Goods Repair and Maintenance
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ACTIVE STEEL DRUM CO INC
Facility address: 52-30 34TH ST
LONG ISLAND CITY, NY 111013202
EPA ID: NYD003933355
Mailing address: 34TH ST
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 34TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BARRY K. FINE
Owner/operator address: 27 LAWRANCE LANE
OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: (516) 665-4375
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BARRY K FINE
Owner/operator address: 27 LAWRANCE LANE
BAY SHORE, NY 11706
Owner/operator country: US
Owner/operator telephone: (516) 665-4375
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: No

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 09/19/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 09/28/1995
Event: RFA Completed

Event date: 09/28/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/13/1984
Date achieved compliance: 05/13/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/27/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/13/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/13/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110000616432

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD003933355
Country: USA
Mailing Name: ACTIVE STEEL DRUM
Mailing Contact: FINE BARRY K PRESIDENT
Mailing Address: 52-30 34TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: 3202
Mailing Country: USA
Mailing Phone: 212-786-9300

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Document ID:	NJO0174158
Manifest Status:	Completed copy
Trans1 State ID:	S3002BN
Trans2 State ID:	Not reported
Generator Ship Date:	830603
Trans1 Recv Date:	830603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830603
Part A Recv Date:	030614
Part B Recv Date:	030614
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D000 - NON-LISTED TOXIC WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	02400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	048
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO1554021
Manifest Status:	Completed copy
Trans1 State ID:	NYJA045
Trans2 State ID:	Not reported
Generator Ship Date:	830504
Trans1 Recv Date:	830504
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830504
Part A Recv Date:	030509
Part B Recv Date:	030509
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00950
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748151
Manifest Status:	Completed copy

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830407
Trans1 Recv Date:	830407
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830408
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYP000775650
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	U220 - TOLUENE
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748187
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830409
Trans1 Recv Date:	830409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830411
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00023
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1031967
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840719
Part A Recv Date:	840904
Part B Recv Date:	840726
Generator EPA ID:	NYD003933355

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00012
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

EPA ID:	NYP000775650
Country:	USA
Mailing Name:	ACTIVE STEEL DRUM
Mailing Contact:	UNKNOWN
Mailing Address:	52-30 34TH ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	3202
Mailing Country:	USA
Mailing Phone:	212-786-9300

Document ID:	NJO0174158
Manifest Status:	Completed copy
Trans1 State ID:	S3002BN
Trans2 State ID:	Not reported
Generator Ship Date:	830603
Trans1 Recv Date:	830603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830603
Part A Recv Date:	030614
Part B Recv Date:	030614
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D000 - NON-LISTED TOXIC WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	02400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	048
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Document ID:	NYO1554021
Manifest Status:	Completed copy
Trans1 State ID:	NYJA045
Trans2 State ID:	Not reported
Generator Ship Date:	830504
Trans1 Recv Date:	830504
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830504
Part A Recv Date:	030509
Part B Recv Date:	030509
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00950
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748151
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830407
Trans1 Recv Date:	830407
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830408
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYP000775650
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	U220 - TOLUENE
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748187
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830409
Trans1 Recv Date:	830409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830411
Part A Recv Date:	030502

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Part B Recv Date:	030502
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00023
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1031967
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840719
Part A Recv Date:	840904
Part B Recv Date:	840726
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00012
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

238
NNE
1/2-1
0.794 mi.
4193 ft.

JUNG SUN LAUNDRY SITE **NY SHWS** **S110246984**
37-10 24TH STREET **NY DRYCLEANERS** **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
19 ft.

SHWS:

Program:	HW
Site Code:	374812
Classification:	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region:	2
Acres:	.480
HW Code:	241102
Record Add:	12/13/2006
Record Upd:	10/08/2013
Updated By:	JAMORAS
Site Description:	Location: The Site is located in a mixed residential/commercial/light industrial area of Long Island City (Borough of Queens), NY. The location of the Site is the west corner of the intersection of 24th

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

Street and 37th Avenue. Site Features: The site consists of four property lots. The main site features included single story buildings on three lots and an open area on the fourth lot. There were three inter-connected single story buildings, which occupied three adjacent lots. Recently (late summer 2013)the new owner demolished the structures on two lots down to the slab. The previous owner still owns one lot and the abandoned structure on that lot is still there. Approximately one third of the Site is made up of the fourth lot, which has and continues to be an open area which extends to the west up to 23rd Street. The open area also houses a tractor trailer sized metal storage container. The site is currently secured with a fence and a lockable gate. Current Zoning and Land Use: The site property is currently inactive and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial, light industrial and utility right-of-ways. The nearest residential area is located north (upgradient) of the site, on the other side of 37th Avenue. There is a residential area approximately 400 feet south (downgradient) of the Site, on the south side of 38th Avenue. Past Use of the Site: From the 1930s to the late 1980s, the Site was used as a commercial laundry. The Site was utilized as a commercial dry cleaner from the late 1980s to the mid 1990s. Prior uses that appear to have led to site contamination include poor housekeeping and spills associated with the dry cleaning operation. An adjacent property owner conducted a Phase I Environmental Site Assessment in September 2003, a Phase 2 Limited Subsurface Investigation in October 2003 and a Phase 2 Limited Groundwater Investigation in December 2003. The Department conducted a Site Characterization from August 2007 through March 2010. In October 2010, the Site was placed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site.Site Geology and Hydrogeology: Subsurface material consists of sand and some silt and urban fill. The depth to the groundwater varies from approximately 13 to 15 feet below the ground surface. On-site groundwater flow direction is relatively flat; the general flow direction appears to be towards the southwest.

Env Problem: Nature and Extent of Contamination: The primary contaminants of concern at the site are tetrachloroethene (PCE) and its degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE) and vinyl chloride (VC). Soil - During 2012 remedial investigation PCE, TCE and 1,2-DCE have been found in on-site soils at concentrations up to 83 parts per million (ppm), 0.22 ppm and 0.17 ppm respectively. The unrestricted use RSCOs for PCE has been exceeded. Groundwater - PCE, TCE, cis-1,2-DCE, trans-1,2-DCE and VC have been detected in on-site shallow groundwater at concentrations up to 11000 parts per billion (ppb), 1200 ppb, 21000 ppb, 130 ppb and 390 ppb respectively. Groundwater standards have been exceeded for PCE, TCE, cis-1,2-dichloroethene, trans-1,2-Dichloroethene, vinyl chloride and chloroform. Per April and June 2012 groundwater data, the groundwater plume has migrated approximately 400 feet off-site. Soil Vapor & Indoor Air: PCE and TCE were detected in on-site soil vapor at levels up to 280,000 microgram per cubic meter (g/m3) and 130,000 g/m3, respectively, and off-site at levels up to 13,000 g/m3 and 420 g/m3, respectively. Special Resources Impacted/Threatened: The site is located in the urban area and Fish and Wildlife Impact Analysis is not warranted. Significant Threat: The site poses a significant environmental threat because the area overlies a sole-source aquifer

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

	and because there is an ongoing release of PCE and TCE from soil into groundwater.
Health Problem:	Contact with contaminated soil is not expected since it is located at depth and covered by buildings, asphalt and concrete. Ingestion of contaminated groundwater is not likely since the area is served with public water. Site-related contaminants are present in soil vapor. Therefore, there is a potential for soil vapor intrusion to occur in on-site and off-site structures. Investigation of this potential pathway is recommended.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	5/6/2010 3:30:00 PM
Record Upd:	9/19/2013 3:00:00 PM
Updated By:	kbdilige
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library: Long Island City Branch
Owner Address:	37-44 21 Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Tong Yang
Owner Company:	Jung Sun Laundry Corp.
Owner Address:	37-10 24th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Feiyang Group, LLC
Owner Address:	82-19 Grenfell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Kew Gardens, NY 11415
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	c/o Tony X.F. Yang
Owner Company:	Feiyang Group, LLC
Owner Address:	37-08 24th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Gurpal Cheema
Owner Company:	New Generation Development LLC.

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

Owner Address: 37-10 24th Street
Owner Addr2: Not reported
Owner City,St,Zip: Queens, NY 11101
Owner Country: United States of America
HW Code: 241102
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241102
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0711317
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 3/31/2009 11:06:00 AM
Record Updated: 3/31/2009 11:06:00 AM
Updated By: JAAVERSA

DRYCLEANERS:
Facility ID: 2-6304-00393
Phone Number: 718-937-0428
Region: Not reported
Registration Effective Date: N/A
Inspection Date: 04SEP21
Install Date: 88/99/04
Drop Shop: Y
Shutdown: Not reported
Alternate Solvent: WATER
Current Business: Not reported

239
North
1/2-1
0.834 mi.
4406 ft.

Relative:
Lower

Actual:
13 ft.

NATIONAL RUBBER & BACKING CORP
38-31 9TH ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000259753**
NY SHWS **NYD990690190**
NY LTANKS
NY HIST UST
NY HIST AST
NY MANIFEST
NY VCP
NY CBS

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NATIONAL RUBBER & BACKING CORP
Facility address: 38-31 9TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD990690190
Mailing address: 9TH ST
LONG ISLAND CITY, NY 11101
Contact: MARC HALPERN
Contact address: 9TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 784-7945
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NATIONAL RUBBER & BACKING CORP
Classification: Not a generator, verified

Date form received by agency: 08/22/1996
Facility name: NATIONAL RUBBER & BACKING CORP
Site name: NATIONAL RUBBER ADHESIVES INC
Classification: Large Quantity Generator

Date form received by agency: 02/21/1992
Facility name: NATIONAL RUBBER & BACKING CORP
Site name: NATIONAL RUBBER AND BACKING
Classification: Large Quantity Generator

Date form received by agency: 11/08/1985

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Facility name: NATIONAL RUBBER & BACKING CORP
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SHWS:
Program: HW
Site Code: 58713
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region: 2
Acres: 1.000
HW Code: 241028
Record Add: 11/18/1999
Record Upd: 03/27/2013
Updated By: JAQUINN
Site Description: LOCATION: The site is located in an urban/industrial section of Long Island City at the intersection of 9th Street between 38th Avenue and 40th Avenue. It is located on the east side of 9th Street, approximately 0.4 miles north of the Queensboro Bridge. SITE FEATURES: The property extends 335 feet from the north to the south and 117 feet from the west to the east. The entire property is occupied by a 30,000 square feet, one story, slab-on-grand masonry building. A small courtyard is located in the central portion of the building on the western side. The site and surrounding areas are generally level.CURRRENT ZONING/USE(S): The site is currently zoned commercial. The site is currently used as a marble fabrication shop, an automotive repair shop, and a production studio. Another tenant occupies the other one-third of the building for storage of sheet metal and supplies for an off-site manufacturing business. No metal fabrication, cutting, or manufacturing associated with this business takes place on this site. PAST USE OF SITE: National Rubber Adhesives, Inc. operated a manufacturing facility for adhesives until 1995 and operated at this location for 62 years. (National Rubber Adhesives, Inc. occupied the northern two-thirds of the building.) Five underground storage tanks (USTs) were closed in-place, including one toluene, two gasoline, one methyl ethyl ketone (MEK) and one heptane UST. OPERABLE UNIT(S): The site is being managed through two operable units (OU). OU1 is for off-site work and OU2 is for on-site work. Each OU will include investigating for soil and groundwater contamination. SITE GEOLOGY AND HYDROGEOLOGY: The site is approximately 15 to 20 feet above mean sea level. The nearest surface water body is the East River, approximately one quarter mile west of the site. Groundwater was observed approximately 5 to 10 feet below

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

	ground surface and flows in a westerly direction toward the East River. The depth to bedrock varies across the investigation area from 10 to 15 feet below surface.
Env Problem:	NATURE AND EXTENT OF CONTAMINATION:Based upon investigations to date, the primary contaminants of concern at the site include toluene. Toluene has been detected at levels as high as 280,000,000 parts per billion (ppb) in groundwater in MW-2, which is above the respective groundwater standard of 5 ppb. Other wells have shown levels of toluene in the 10,000s ppb. Benzene, ethylbenzene, and xylenes have all been shown to be elevated. These previous investigations have identified exceedances of standards, criteria and guidance for those contaminants in soil as well. Elevated levels of benzene and toluene were also noted in the soil vapor as well. The groundwater plume appears to be migrating off-site, however the extent of the plume is unknown. In 2011, the concentration of toluene was found as high as 130,000 ppb in an off-site location. Off-site impacts have been delineated and the extent of the toluene plume does not appear to impact the East River. SPECIAL RESOURCES IMPACTED/THREATENED : None known.SIGNIFICANT THREAT: A significant threat is posed from potential exposure to site related contaminants from soil vapor intrusion both on and off-site structures. Exposures to contaminated groundwater are not expected because public water serves the area residents.
Health Problem:	Elevated levels of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have been identified in soil and groundwater at this site. The area is paved and served by pubic water so exposures to contaminated soils and groundwater are unlikely. Due to the high levels of VOCs in on-site groundwater, there is the potential for exposures related to soil vapor intrusion in surrounding buildings. A soil vapor investigation is planned as part of the ongoing remedial investigation.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	unknown
Lat/Long:	40:45:30:0 / 73:56:39:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	National Rubber Adhesives, Inc.
Owner Address:	38-31 9th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11385
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	UNKNOWN
Owner Address:	25 KNICKERBOCKER AVE.
Owner Addr2:	Not reported

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Owner City,St,Zip: BROOKLYN, NY 11101
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: UNKNOWN3
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: National Rubber Adhesives, Inc.
Owner Address: 25 Knickerbocker Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11208
Owner Country: United States of America
HW Code: 241028
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: TOLUENE U-220 (F005 WASTE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C241028
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 5/27/2008 11:08:00 AM
Record Updated: 5/27/2008 11:08:00 AM
Updated By: DMMOLOUG
Crossref ID: V00662
Cross Ref Type Code: 04
Cross Ref Type: VC Site ID
Record Added Date: 8/4/2003 1:42:00 PM
Record Updated: 8/4/2003 1:42:00 PM
Updated By: ajsylves
Crossref ID: NYD990690190
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

LTANKS:
Site ID: 127024
Spill Number/Closed Date: 9602231 / Not Reported
Spill Date: 3/1/1996

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	PECK
Referred To:	Not reported
Reported to Dept:	5/16/1996
CID:	266
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	5/16/1996
Spill Record Last Update:	5/11/2004
Spiller Name:	YALE BLOCK
Spiller Company:	NATIONAL RUBBER ADHESIVES
Spiller Address:	38-31 9TH STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller County:	001
Spiller Contact:	YALE BLOCK
Spiller Phone:	(718) 497-5200
Spiller Extention:	234
DEC Region:	2
DER Facility ID:	109736
DEC Memo:	Not reported
Remarks:	PHASE 1 AND PARTIAL PHASE 2 SITE ASSESSMENT PERFORMED AT SPILLER'S REQUEST. CALLER KNEW THAT THERE WERE UNDERGROUND STORAGE TANKS THAT HAD BEEN CLOSED IN PLACE. SOME OF THIS CONTAMINATION POSSIBLY DATE BACK 50 YEARS OR MORE. CALLER WILL CONTACT REGION 2 OFFICE FOR FURTHER INFORMATION.

Material:

Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352039
Material Code:	0042A
Material Name:	XYLENE (MIXED)
Case No.:	01330207
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352040
Material Code:	0230A
Material Name:	ETHYLBENZENE
Case No.:	00100414

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352038
Material Code:	0041B
Material Name:	TOLUOL
Case No.:	00108883
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST UST:

PBS Number:	2-145203
SPDES Number:	Not reported
Emergency Contact:	YALE
Emergency Telephone:	(201) 894-9112
Operator:	NATIONAL RUBBER ADH INC.
Operator Telephone:	(718) 784-7945
Owner Name:	NATIONAL RUBBER ADHESIVES,INC.
Owner Address:	38-31 9TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11104
Owner Telephone:	(718) 784-7945
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NATIONAL ADHESIVES, INC.
Mailing Address:	38-31 9TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 784-7945
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	38031 9TH ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/01/1997

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Expiration Date:	11/24/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	2-000015
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-145203
SWIS Code:	6301
Operator:	NATIONAL RUBBER ADH INC.
Facility Phone:	(718) 784-7945
Facility Addr2:	38031 9TH ST
Facility Type:	MANUFACTURING
Emergency:	YALE
Emergency Tel:	(201) 894-9112
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NATIONAL RUBBER ADHESIVES,INC.
Owner Address:	38-31 9TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11104
Federal ID:	Not reported
Owner Tel:	(718) 784-7945
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NATIONAL ADHESIVES, INC.
Mailing Address:	38-31 9TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 784-7945
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/01/1997
Expiration:	11/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	2-000015
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Tank ID:	008
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYD990690190
Country:	USA
Mailing Name:	NATIONAL RUBBER & ADHESIVES INC
Mailing Contact:	NATIONAL RUBBER & ADHESIVES INC
Mailing Address:	38-31 NINTH STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-7945

Document ID:	NJA0247263
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	870212
Trans1 Recv Date:	870212
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870212
Part A Recv Date:	870320
Part B Recv Date:	870305
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	X940 - NJ UNKNOWN

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Quantity: 09600
Units: P - Pounds
Number of Containers: 019
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NJA2137832
Manifest Status: Completed copy
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 961010
Trans1 Recv Date: 961010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 961010
Part A Recv Date: 961105
Part B Recv Date: 961031
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 06000
Units: P - Pounds
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA4094772
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 02/27/2002
Trans1 Recv Date: 02/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/27/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 06000
Units: P - Pounds

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Number of Containers: 015
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02400
Units: P - Pounds
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U044 - CHLOROFORM
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NJA1176296
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS632
Trans2 State ID: Not reported
Generator Ship Date: 911010
Trans1 Recv Date: 911010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 911010
Part A Recv Date: 911101
Part B Recv Date: 911106
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: U044 - CHLOROFORM
Quantity: 10000
Units: P - Pounds
Number of Containers: 070
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NJA0981404
Manifest Status: Completed copy
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 950526
Trans1 Recv Date: 950526
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950530
Part A Recv Date: 950606
Part B Recv Date: 950613
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 01200
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 03500
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 95

Document ID: NJA2768510
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 970610
Trans1 Recv Date: 970610
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970612
Part A Recv Date: Not reported
Part B Recv Date: 970710
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity: 08400
Units: P - Pounds
Number of Containers: 014
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97

Document ID: NJA2783045
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 12/14/1998
Trans1 Recv Date: 12/14/1998
Trans2 Recv Date: Not reported

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

TSD Site Recv Date: 12/16/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 04400
Units: P - Pounds
Number of Containers: 011
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NJA2782909
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 04/21/1998
Trans1 Recv Date: 04/21/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/21/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02800
Units: P - Pounds
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NJA0981219
Manifest Status: Completed copy
Trans1 State ID: NJDEPS632
Trans2 State ID: Not reported
Generator Ship Date: 920619
Trans1 Recv Date: 920619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920619
Part A Recv Date: Not reported
Part B Recv Date: 920708
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity: 06750

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA0755037
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	920115
Trans1 Recv Date:	920115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920115
Part A Recv Date:	920127
Part B Recv Date:	920129
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	10500
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1883086
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	950314
Trans1 Recv Date:	950314
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950314
Part A Recv Date:	950321
Part B Recv Date:	950417
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01600
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	08400
Units:	P - Pounds
Number of Containers:	012

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA0165006
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	860203
Trans1 Recv Date:	860203
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860204
Part A Recv Date:	860303
Part B Recv Date:	860212
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	21000
Units:	P - Pounds
Number of Containers:	042
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

Document ID:	NJA0366527
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	870929
Trans1 Recv Date:	870929
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870929
Part A Recv Date:	871005
Part B Recv Date:	871014
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	U044 - CHLOROFORM
Quantity:	15500
Units:	P - Pounds
Number of Containers:	031
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NJA0980837
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS632

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans2 State ID:	Not reported
Generator Ship Date:	901121
Trans1 Recv Date:	901121
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901121
Part A Recv Date:	901231
Part B Recv Date:	910102
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	10500
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NJA2176962
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	950929
Trans1 Recv Date:	950929
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951002
Part A Recv Date:	951010
Part B Recv Date:	951019
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	08400
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA1164168
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	910619

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans1 Recv Date:	910619
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910619
Part A Recv Date:	910629
Part B Recv Date:	910709
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	07600
Units:	P - Pounds
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA0981124
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	921110
Trans1 Recv Date:	921110
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921110
Part A Recv Date:	Not reported
Part B Recv Date:	921120
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity:	14700
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	NJA0755345
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	940523
Trans1 Recv Date:	940523
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940523
Part A Recv Date:	940603
Part B Recv Date:	940607
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA1882894
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	941011
Trans1 Recv Date:	941011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941011
Part A Recv Date:	941019
Part B Recv Date:	941024
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01200
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA1882977
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	941214
Trans1 Recv Date:	941214
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941214
Part A Recv Date:	941221
Part B Recv Date:	950103
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

VCP:
Program Type: VCP
Site Code: 57620
HW Code: V00173
Site Class: N
SWIS: 4101
Region: 2
Town: New York City
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 02/01/2005
Updated By: RJCOZZY
Site Description: The property is located within an urban industrialized section of Long Island City. The site extends 335 feet from the north to the south and 117 feet from the west to the east. The entire site is occupied by a 30,000 square feet, one story building. There is a small courtyard in the central portion of the building, on its western side. The site is approximately 15 to 20 feet above mean sea level. The nearest surface water body is the East River, approximately one quarter mile west of the site.See Registry Site # 241028 and Brownfield Cleanup Program Site # C241028.
Env Problem: See Registry Site # 241028 and Brownfield Cleanup Program Site # C241028
Health Problem: Not reported

CBS:
CBS Number: 2-000015
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 589256.22733000
UTMY: 4512690.5957800

AS240 **RAVENSWOOD POWER STATION** **NY SHWS** **S102239646**
North **38-54 VERNON BOULEVARD** **NY LTANKS** **N/A**
1/2-1 **LONG ISLAND CITY, NY** **NY MOSF UST**
0.856 mi. **NY CBS AST**
4519 ft. **Site 1 of 2 in cluster AS** **NY MANIFEST**
NY Spills
Relative: **NY VCP**
Lower **NY SPDES**
NY MOSF
Actual: **NY CBS**
12 ft.

SHWS:
Program: HW
Site Code: 416958
Classification: P
Region: 2
Acres: Not reported
HW Code: 241119
Record Add: 07/23/2009

RAVENSWOOD POWER STATION (Continued) **S102239646**

Record Upd:	10/31/2013
Updated By:	GWCROSS
Site Description:	Location: The Ravenswood former MGP site is located at 38-54 Vernon Boulevard in the Long Island City section of the Borough of Queens. The property is noted as Tax Lot 1 in part of block 357 on the Tax Map of the City of New York, Queens CountyThe site is located within the boundary of a complex of active electric and steam generating facilities in a predominantly industrial and commercial area. The site is bordered on the east by light industrial and commercial buildings and on the west by the East River. The site formerly housed a Manufactured Gas Plant operated by Con Edison and its predecessor companies. The precise location of the MGP structures has not been fully established because of the extensive reworking of the property associated with construction of the power plants which now occupy and surround the original MGP site.Remedial History: A portion of the site was remediated under the Voluntary Cleanup Program. See site V000368. The principal VCP issue was the presence of a No. 6 oil spill from an in-plant pipeline. Petroleum-impacted soil was excavated in 2005. No MGP tar-contaminated soil was identified at that time, but MGP related structures or soil contamination may remain in other portions of the site or at depth.
Env Problem:	Extensive soil removal has taken place on the site, both for the construction of the power plants that occupy the site, and for remediation of a No. 6 oil spill. Although it appears that significant portions of the former MGP have been excavated down to bedrock, it is not known to what extent MGP structures and MGP soil contamination may remain in the deep subsurface.A bedrock steam tunnel lies beneath the East River at this location, allowing waste steam from the turbine plants to be provided to the steam-heat distribution system in Manhattan. Tar from the former MGP can be seen dripping from the roof of this tunnel, roughly 150 feet below ground surface. The source of the tar has not been determined. The tunnel can not be accessed by the public, and is only occasionally used by utility workers. Engineering controls are in place to prevent direct contact with the tar by utility workers.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	SE Ravenswood Trust
Owner Address:	37-20 37th Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101

RAVENSWOOD POWER STATION (Continued) **S102239646**

Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

LTANKS:

Site ID:	239188
Spill Number/Closed Date:	9613378 / 2/13/1997
Spill Date:	2/12/1997
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	2/12/1997
CID:	252
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/12/1997
Spill Record Last Update:	11/12/2003
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller County:	001
Spiller Contact:	STEVE ROMERO
Spiller Phone:	(212) 580-6763
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	244873
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Remarks:	UPON FILLING AIR COMPRESSOR DIESEL FUEL SPILLED ON TO PAVEMENTSPILL HAS BEEN CLEANED UP

Material:

Site ID:	239188
Operable Unit ID:	1040956
Operable Unit:	01
Material ID:	338486
Material Code:	0008

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 8
Units: Gallons
Recovered: 8
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 239166
Spill Number/Closed Date: 9601426 / 5/30/1996
Spill Date: 4/28/1996
Spill Cause: Tank Failure
Spill Source: Passenger Vehicle
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: CAENGELH
Referred To: Not reported
Reported to Dept: 4/28/1996
CID: 312
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/28/1996
Spill Record Last Update: 6/27/1996
Spiller Name: Not reported
Spiller Company: CON EDISON
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: NEW YORK, NY 10003
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: (0) -
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 244873
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Remarks: hole in gas tank - cleaned up

Material:
Site ID: 239166
Operable Unit ID: 1029072
Operable Unit: 01
Material ID: 566843
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: 5
Resource Affected: Not reported
Oxygenate: False

Tank Test:

MOSF UST:
Id/Status: 2-1960 / ACTIVE FACILITY
SWIS Code: 63
Facility Town: NEW YORK CITY
Contact Phone: (718) 706-2707
Emerg Contact: SHIFT SUPERVISOR
Emergency Telephone: (718) 706-2753
CBS Number: 2-000063
SPDES Num: 0-005193
Total Tanks: 24
Total Capacity: 4337274
Avg Throughput: 149854
License Stat: 1
Facility Type: MANUFACTURING
Prod Xfer Options: AC
Expiration Date: 03/31/2003
Applic Rcvd: 01/05/2001
Operator: DOMINIC DI GIORGIO
Owner Name: KEYSPAN-RAVENSWOOD SERVICES CORPORATION
Owner Address: ONE METROTECH CENTER
Owner City,St,Zip: BROOKLYN, NY 11201-3851
Owner Telephone: (631) 391-6140
Owner Type: Corporate/Commercial
Owner Status: 1
Owner Mark: Second Owner
Mail To Name: KEYSPAN ENERGY
Mail To Address: 445 BROADHOLLOW ROAD
Mail To Address 2: Not reported
Mail City,St,Zip: MELVILLE, NY 11747-
Mail To Contact: ROBERT D. TEETZ
Mail To Telephone: (631) 391-6140
Legal Agent Name: OFFICE OF THE SECRETARY OF THE COMPANY
Legal Agent Address: ONE METROTECH CENTER
Legal Agent City,St,Zip: BROOKLYN, NY 11201-3851
Date Filed: 03/99

Tank ID: F06-1
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Install Date: 02/63
Capacity (Gal): 858022
Product: NOS 5 OR 6 FUEL OIL
Tank Status: Temporarily Out Of Service
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Aboveground/Underground Combination

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	10
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	F06-2
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Install Date:	02/63
Capacity (Gal):	842175
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	10
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

RAVENSWOOD POWER STATION (Continued) **S102239646**

Tank ID:	F06-3
Tank Location:	UNDERGROUND
Install Date:	12/48
Capacity (Gal):	741465
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	50
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	RGSPIPELINE
Tank Location:	Not reported
Install Date:	00/00
Capacity (Gal):	362000
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Not reported
Second Contain:	None
Leak Detection:	Other
Overfill Protection:	Not reported
Dispenser:	Not reported
Test Date:	Not reported
Date Closed:	02/00
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Major Errors
Inspected Date:	08/05/1999

RAVENSWOOD POWER STATION (Continued) **S102239646**

Inspector Initials: AS
Inspector Status: Not reported
Pipe Flag: True
License Issued: 04/01/2001
Vessel Id: Not reported
Renew Flag: True
Renew Date: 11/27/2000
Federal Id No: Not reported
COI Date: / /

Tank ID: T04
Tank Location: UNDERGROUND
Install Date: 12/70
Capacity (Gal): 1000
Product: KEROSENE
Tank Status: Temporarily Out Of Service
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: None
Second Contain: 8
Leak Detection: None
Overfill Protection: Product Level Gauge
Dispenser: Suction
Test Date: /
Date Closed: Not reported
Latitude: 40|45|30
Longitude: 73|56|56
Status of Data: Complete
Inspected Date: 08/05/1999
Inspector Initials: AS
Inspector Status: Not reported
Pipe Flag: True
License Issued: 04/01/2001
Vessel Id: Not reported
Renew Flag: True
Renew Date: 11/27/2000
Federal Id No: Not reported
COI Date: / /

MOSF:
Facility ID: 2-1960
Program Type: MOSF
Tank Status: Active
Expiration Date: 2014/03/31
Dec Region: 2
UTMX: 589041.39688000
UTMY: 4512702.2995199

Facility ID: 2-1980
Program Type: MOSF
Tank Status: No Longer MOSF
Expiration Date: N/A

RAVENSWOOD POWER STATION (Continued) **S102239646**

Dec Region: 2
UTMX: 588348.02693000
UTMY: 4510881.1985099

CBS AST:
CBS Number: 2-000366
ICS Number: Not reported
PBS Number: Not reported
MOSF Number: 2-1960
SPDES Number: 0-005193
Facility Status: ACTIVE FACILITY
Facility Type: UTILITY
Telephone: (718) 706-2707
Facility Town: NEW YORK CITY
Region: STATE
Expiration Date: 03/28/2002
Total Capacity of All Active Tanks(gal): 6000
Operator: KEYSPAN-RAVENSWOOD SERVICES GR
Emergency Contact: SHIFT SUPERVISOR
Emergency Phone: (718) 706-2753
Owner Name: LIC FUNDING, LP
Owner Address: C/O MERRILL LYNCH SOUTH TOWER 14 FLOOR
Owner City,St,Zip: NEW YORK, NY 10080-4114
Owner Telephone: (212) 236-7203
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Mail Name: KEYSPAN ENERGY
Mail Contact Addr: 445 BROADHOLLOW ROAD
Mail Contact Addr2: Not reported
Mail Contact Contact: ROBERT D. TEETZ
Mail Contact City,St,Zip: MELVILLE, NY 11747
Mail Phone: (631) 391-6140

Tank Id: C-30
CAS Number: 1310732
Federal ID: Not reported
Tank Status: In Service
Install Date: 12/65
Tank Closed: 12/99
Capacity (Gal): 2000
Chemical: Sodium hydroxide
Tank Location: ABOVEGROUND
Tank Type: Steel/carbon steel
Total Tanks: 3
Tank Secret: False
Tank Containment: Diking
Tank Error Status: No Missing Data
Date Entered: 03/28/2000
Certified Date: 03/28/2000
Substance: Single Hazardous Substance on DEC List
Internal Protection: None
External Protection: Painted/Asphalt Coating
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: 1
Pipe Containment: None,None

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Flag:	None,None
Leak Detection:	None,None
Overfill Protection:	04
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 77|56|49
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	40|45|39 / 77|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 77|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 77|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 77|56|49

Tank Id:	A30
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	04/97
Capacity (Gal):	2000
Chemical:	Sulfuric acid
Tank Location:	ABOVEGROUND
Tank Type:	Steel/carbon steel
Total Tanks:	5
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	93
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95

RAVENSWOOD POWER STATION (Continued) **S102239646**

Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	EH30
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	12/99
Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	WH30
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	12/99

RAVENSWOOD POWER STATION (Continued) **S102239646**

Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	WH12
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/62
Tank Closed:	12/99
Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Click this hyperlink while viewing on your computer to access
9 additional NY_AST_CBS: record(s) in the EDR Site Report.

NY MANIFEST:

EPA ID:	NYR000072447
Country:	USA
Mailing Name:	KEYSPAN ENERGY RAVENSWOOD GENERATING STA
Mailing Contact:	E MILLER
Mailing Address:	38-54 VERNON BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11105
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-963-5407

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD080631369
Generator Ship Date: 2011-06-07
Trans1 Recv Date: 2011-06-07
Trans2 Recv Date: 2011-06-07
TSD Site Recv Date: 2011-06-07
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 5.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 000516461VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD080631369
Generator Ship Date: 2011-06-07
Trans1 Recv Date: 2011-06-07
Trans2 Recv Date: 2011-06-07
TSD Site Recv Date: 2011-06-07
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 300.0
Units: P - Pounds
Number of Containers: 2.0

RAVENSWOOD POWER STATION (Continued) **S102239646**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-05
Trans1 Recv Date:	2011-12-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000563392VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYP000072447
Country:	USA
Mailing Name:	KEYSPAN
Mailing Contact:	KEYSPAN
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

RAVENSWOOD POWER STATION (Continued) **S102239646**

Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds

RAVENSWOOD POWER STATION (Continued) **S102239646**

Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES

RAVENSWOOD POWER STATION (Continued) **S102239646**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 2011-12-05
Trans1 Recv Date: 2011-12-05
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2011-12-05
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 200.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 000563392VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 04-Jun-2013 00:00:00
Trans1 Recv Date: 04-Jun-2013 00:00:00
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07-Jun-2013 00:00:00
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593

RAVENSWOOD POWER STATION (Continued) **S102239646**

Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYP004137816
Country:	USA
Mailing Name:	CONSOLDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds

RAVENSWOOD POWER STATION (Continued) **S102239646**

Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES

RAVENSWOOD POWER STATION (Continued) **S102239646**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593

RAVENSWOOD POWER STATION (Continued) **S102239646**

Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-05
Trans1 Recv Date:	2011-12-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000563392VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

SPILLS:
Facility ID: 0006765
DER Facility ID: 244873
Facility Type: ER
Site ID: 239118
DEC Region: 2
Spill Date: 9/7/2000
Spill Number/Closed Date: 0006765 / 1/16/2001
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 9/7/2000
CID: 322
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/7/2000
Spill Record Last Update: 1/16/2001
Spiller Name: UNKNOWN
Spiller Company: UNKNOWN
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN, NY
Spiller Company: 999
Contact Name: DOUG VOOS
Contact Phone: (516) 545-4007
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Inforamtion received from KeySpan indicates that samples similar to extremely weathered turbine lube oil. All PCB results <1 ppm. Soil drummed.
Remarks: stain of unknown origin on the bluestone - samples taken and clean up pending lab results -

Material:
Site ID: 239118
Operable Unit ID: 827696
Operable Unit: 01
Material ID: 547873

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1305911
DER Facility ID:	343924
Facility Type:	ER
Site ID:	486497
DEC Region:	2
Spill Date:	9/5/2013
Spill Number/Closed Date:	1305911 / 9/6/2013
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	9/5/2013
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/5/2013
Spill Record Last Update:	9/6/2013
Spiller Name:	Not reported
Spiller Company:	TRANS CANADA POWER PLANT
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	PAUL SERVA
Contact Phone:	Not reported
DEC Memo:	during lube change, 40 gal spilled to lower level .Some entered drain. Kens marine en route to boom and determine if any entered river. Spill being cleaned inside on concrete. Spill cleaned, closed. No recovery made in river.
Remarks:	clean up underway/kens marine en route eta 0720 for boom deployment on east river outfall (discharge tunnel)Approx. 1/2 gal. has entered discharge tunnel

Material:

Site ID:	486497

RAVENSWOOD POWER STATION (Continued) **S102239646**

Operable Unit ID:	1236146
Operable Unit:	01
Material ID:	2235488
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9806863
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239229
DEC Region:	2
Spill Date:	9/4/1998
Spill Number/Closed Date:	9806863 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	HEHUSSEI
Referred To:	CON ED DIVESTED
Reported to Dept:	9/4/1998
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	9/4/1998
Spill Record Last Update:	7/22/2013
Spiller Name:	KEN YAEGER
Spiller Company:	TRANSCANADA POWER
Spiller Address:	38-54 VERNON BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101
Spiller Company:	001
Contact Name:	HAHN
Contact Phone:	(718) 706-2753
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Site investigation being conducted as part of divestiture process. Work plan submitted to DEC on 9/17/98.6/16/10 - changed DEC lead from Krimgold to JMOCONNE (JOC)4/14/11 - J.kann - DEC lead changed to J.Kann.07/22/13 - Re-assigned from Kann to Hussein (JOC)
Remarks:	SOIL BORINGS SHOW OIL CONTAMINATION AROUND 12 TO 14 FEET DOWN - THIS IS BY THE STEAM PLANT ON THE COMPLEX

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material:

Site ID:	239229
Operable Unit ID:	1064470
Operable Unit:	01
Material ID:	318001
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9806885
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239230
DEC Region:	2
Spill Date:	9/3/1998
Spill Number/Closed Date:	9806885 / 9/18/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	9/4/1998
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/4/1998
Spill Record Last Update:	9/18/1998
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"9/4/98: update - gauge repalced, oil cleaned up.
Remarks:	retired fuel line became charged with steam the gauge on linebroke releasing the fuel - fuel leaked into a containment areacaller unsure on if clean up was done or not

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material:

Site ID:	239230
Operable Unit ID:	1064486
Operable Unit:	01
Material ID:	318020
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	17
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9608086
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239175
DEC Region:	2
Spill Date:	9/28/1996
Spill Number/Closed Date:	9608086 / 10/2/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	9/28/1996
CID:	275
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/28/1996
Spill Record Last Update:	10/17/1996
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	TIM SOLICH
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
Remarks:	spilled from truck - all cleaned

Material:

Site ID:	239175

RAVENSWOOD POWER STATION (Continued) **S102239646**

Operable Unit ID:	1036344
Operable Unit:	01
Material ID:	343830
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

VCP:

Program Type:	VCP
Site Code:	56967
HW Code:	V00368
Site Class:	C
SWIS:	4101
Region:	2
Town:	New York City
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	04/05/2007
Updated By:	dcwalsh
Site Description:	The proposed Ravenswood 250-Megawatt (MW) Combined Cycle Generating Station site is located at 38-54 Vernon Boulevard in the Long Island City section of the Borough and County of Queens, New York and denoted as Tax Lot 1 in part of block 357 on the Tax Map of the City of New York, Queens County. The site is located within the boundary of an active electric and steam generating facility in a predominantly industrial and commercial area. The area addressed by this Voluntary Cleanup Agreement is the footprint of a proposed 250-MW combined cycle electric generating plant. The site is bordered on the east by light industrial and commercial buildings; on the south by the existing Ravenswood Generating Station; on the north by the existing Ravenswood Gas Turbine facility; and on the west by the existing Ravenswood Steam Plant and the East River. The site was formerly a Manufactured Gas Plant operated by Con Edison and its predecessor companies. The site is currently occupied by a paved parking lot for Ravenswood employees. Site investigation has been completed at the site.
Env Problem:	The Site investigation conducted at the site revealed the presence of petroleum contamination related to a release from an on-site no. 6 oil pipeline. In addition, the site is underlain by former MGP facilities, including gas holders, piping and drip pots. Investigation has not revealed any areas of discrete coal tar deposits, however, the volunteer has proposed to open all encountered pipes and drip pots, drain them and permanently closed them in place or remove them if they interfere with future construction activities.

RAVENSWOOD POWER STATION (Continued) **S102239646**

The area of petroleum contamination will be excavated and removed. The volunteer submitted and the Department approved a Remedial Action Work Plan for the site which consisted of the above remedies. This RAWP has been implemented, and the volunteer has submitted the Remedial Action Summary Report, which is under review by NYSDEC and NYSDOH.

Health Problem: Human exposures to contaminated soil and groundwater are unlikely. Most of the contaminated soil has been removed, the site is fenced and secured, and the site will be covered with buildings and pavement. Exposure to groundwater is unlikely since the area is served by a public water supply.

SPDES:

Permit Number:	NY0005193
State-Region:	02
Expiration Date:	10/31/2017
Current Major Minor Status:	Major
Primary Facility SIC Code:	4911
State Water Body Name:	EAST R
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	999.900000
Total App Design Flow(MGD):	Not reported
UDF1:	DMR
Lat/Long:	40.759667 / -73.946056
DMR Cognizant Official:	KEN YAGER
UDF2:	001702
UDF3:	I
FIPS County Code:	NY081

Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Permit Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Permit Supplemental Location:	38-54 VERNON BLVD
Non-Gov Permit City:	LONG ISLAND CITY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	11101
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Facility Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location:	38-54 VERNON BLVD
Non-Gov Facility City:	LONG ISLAND CITY
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	11101
State Water Body:	02030201020

UDF2:	001702
UDF3:	I
FIPS County Code:	NY081

Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Permit Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Permit Supplemental Location:	38-54 VERNON BLVD
Non-Gov Permit City:	LONG ISLAND CITY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	11101

RAVENSWOOD POWER STATION (Continued) **S102239646**

Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 110 TURNPIKE RD, SUITE 203
Non-Gov Facility City: WESTBOROUGH
Non-Gov Facility State Code: MA
Non-Gov Facility Zip Code: 01581
State Water Body: 02030201020

UDF2: 001702
UDF3: I
FIPS County Code: NY081

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Permit Street Address: 110 TURNPIKE RD, SUITE 203
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: WESTBOROUGH
Non-Gov Permit State Code: MA
Non-Gov Permit Zip Code: 01581
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 38-54 VERNON BLVD
Non-Gov Facility City: LONG ISLAND CITY
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 11101
State Water Body: 02030201020

UDF2: 001702
UDF3: I
FIPS County Code: NY081

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Permit Street Address: 110 TURNPIKE RD, SUITE 203
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: WESTBOROUGH
Non-Gov Permit State Code: MA
Non-Gov Permit Zip Code: 01581
Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 110 TURNPIKE RD, SUITE 203
Non-Gov Facility City: WESTBOROUGH
Non-Gov Facility State Code: MA
Non-Gov Facility Zip Code: 01581
State Water Body: 02030201020

MOSF:
Facility ID: 2-1960
Program Type: MOSF
Tank Status: Active
Expiration Date: 2014/03/31
Dec Region: 2
UTMX: 589041.39688000
UTMY: 4512702.2995199

RAVENSWOOD POWER STATION (Continued) **S102239646**

Facility ID: 2-1980
Program Type: MOSF
Tank Status: No Longer MOSF
Expiration Date: N/A
Dec Region: 2
UTMX: 588348.02693000
UTMY: 4510881.1985099

CBS:
CBS Number: 2-000063
Program Type: CBS
Facility Status: Active
Expiration Date: 2014/06/28
Dec Region: 2
UTMX: 588961
UTMY: 4512613

CBS Number: 2-000366
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 588938.75384000
UTMY: 4512559.8492299

AS241 **CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE** **CORRACTS** **1000111639**
North **3854 VERNON BLVD NW CORNER** **RCRA-LQG** **NYD003917960**
1/2-1 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.857 mi. **NJ MANIFEST**
4523 ft. **Site 2 of 2 in cluster AS**

Relative:
Lower

Actual:
12 ft.

CORRACTS:

EPA ID: NYD003917960
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19941201
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD003917960
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19941201
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-LQG:
Date form received by agency: 03/12/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Facility address: 3854 VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

EPA ID: NYD003917960
Mailing address: VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101
Contact: WARREN MILLER
Contact address: VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (978) 578-9757
Contact email: MILLERW@CONED.COM
EPA Region: 02
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/02/1957
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/02/1957
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/11/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Classification: Large Quantity Generator

Date form received by agency: 03/11/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Classification: Large Quantity Generator

Date form received by agency: 02/21/2006
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 05/31/2002
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISION - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: RAVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/26/1998
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON ED - REVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON-RAVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 03/15/1993
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON ED - RAVENSWOOD STATION
Classification: Large Quantity Generator

Date form received by agency: 09/23/1991
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CONSOLIDATED EDISON COMPANY OF NEW YORK
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: B002
Waste name: B002

Waste code: B007
Waste name: B007

Corrective Action Summary:
Event date: 12/01/1994
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 12/01/1994
Event: RFA Completed

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/30/1994
Date achieved compliance: 10/23/1997
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/29/1993
Date achieved compliance: 11/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/08/1991
Date achieved compliance: 10/15/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/31/1990
Date achieved compliance: 05/17/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/14/1988
Date achieved compliance: 06/21/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Area of violation: LDR - General
Date violation determined: 03/14/1988
Date achieved compliance: 06/21/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/18/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/1997
Evaluation lead agency: State

Evaluation date: 08/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/08/1993
Evaluation lead agency: State

Evaluation date: 03/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/15/1991
Evaluation lead agency: State

Evaluation date: 01/31/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/17/1990
Evaluation lead agency: State

Evaluation date: 03/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/21/1988
Evaluation lead agency: State

Evaluation date: 03/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/21/1988
Evaluation lead agency: State

Evaluation date: 04/22/1987

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYD003917960
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYA1249506
Manifest Status: Completed copy
Trans1 State ID: 2A-100
Trans2 State ID: Not reported
Generator Ship Date: 841029
Trans1 Recv Date: 841029
Trans2 Recv Date: Not reported
TSD Site Recv Date: 841029
Part A Recv Date: 841108
Part B Recv Date: 841116
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD066969700
Trans2 EPA ID: Not reported
TSDF ID: NYT370010878
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00200
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO2703429
Manifest Status: Completed copy
Trans1 State ID: IL-001
Trans2 State ID: Not reported
Generator Ship Date: 840814
Trans1 Recv Date: 840814
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840815

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Part A Recv Date:	840817
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	38240
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2703438
Manifest Status:	Completed copy
Trans1 State ID:	IL-001
Trans2 State ID:	Not reported
Generator Ship Date:	840815
Trans1 Recv Date:	840815
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840816
Part A Recv Date:	840820
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	36640
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2703501
Manifest Status:	Completed copy
Trans1 State ID:	IL-001
Trans2 State ID:	Not reported
Generator Ship Date:	840820
Trans1 Recv Date:	840820
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	000000
Part A Recv Date:	840823
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	31140
Units:	P - Pounds

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO2703519
Manifest Status: Completed copy
Trans1 State ID: IL-001
Trans2 State ID: Not reported
Generator Ship Date: 840820
Trans1 Recv Date: 840820
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840821
Part A Recv Date: 840823
Part B Recv Date: 840828
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD069506160
Trans2 EPA ID: Not reported
TSDF ID: ILD000672121
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity: 30240
Units: P - Pounds
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO3089151
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 840619
Trans1 Recv Date: 840619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840620
Part A Recv Date: 840626
Part B Recv Date: 840625
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NY7890008975
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00500
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 84

Document ID: NYA2458026
Manifest Status: Completed copy

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 State ID: 2A-100
Trans2 State ID: Not reported
Generator Ship Date: 850606
Trans1 Recv Date: 850606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 850606
Part A Recv Date: 850614
Part B Recv Date: 850614
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD066969700
Trans2 EPA ID: Not reported
TSDF ID: NYT370010878
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 03970
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 85

Document ID: NYA3408355
Manifest Status: Completed copy
Trans1 State ID: BARGE
Trans2 State ID: Not reported
Generator Ship Date: 860428
Trans1 Recv Date: 860428
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860428
Part A Recv Date: 860501
Part B Recv Date: 860507
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 03322
Units: T - Tons
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 86

Document ID: NYA3820342
Manifest Status: Completed copy
Trans1 State ID: BARGE
Trans2 State ID: Not reported
Generator Ship Date: 870430
Trans1 Recv Date: 870430
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870506
Part A Recv Date: 870505
Part B Recv Date: 870521
Generator EPA ID: NYD003917960

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00016
Units: T - Tons
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NYA3820432
Manifest Status: Completed copy
Trans1 State ID: 22174GU
Trans2 State ID: Not reported
Generator Ship Date: 870420
Trans1 Recv Date: 870420
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870420
Part A Recv Date: 870427
Part B Recv Date: 870429
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5616297
Manifest Status: Completed copy
Trans1 State ID: 22174GW
Trans2 State ID: Not reported
Generator Ship Date: 870810
Trans1 Recv Date: 870810
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870810
Part A Recv Date: 870817
Part B Recv Date: 870818
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Specific Gravity: 100
Year: 87

Document ID: NYA6465546
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 870205
Trans1 Recv Date: 870205
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870205
Part A Recv Date: 870331
Part B Recv Date: 870219
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5616288
Manifest Status: Completed copy
Trans1 State ID: 22174GU
Trans2 State ID: Not reported
Generator Ship Date: 870908
Trans1 Recv Date: 870908
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870908
Part A Recv Date: 870923
Part B Recv Date: 870915
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5559894
Manifest Status: Completed copy
Trans1 State ID: 22174GV
Trans2 State ID: Not reported
Generator Ship Date: 880128

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 Recv Date: 880128
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880128
Part A Recv Date: 880208
Part B Recv Date: 880203
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 88

Document ID: NYA3820410
Manifest Status: Completed copy
Trans1 State ID: XG977C(NJ
Trans2 State ID: Not reported
Generator Ship Date: 880831
Trans1 Recv Date: 880831
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880831
Part A Recv Date: 880913
Part B Recv Date: 880909
Generator EPA ID: NYD003917960
Trans1 EPA ID: NJD000603563
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 01000
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88

Document ID: NYA9648404
Manifest Status: Completed copy
Trans1 State ID: AP6277NY
Trans2 State ID: Not reported
Generator Ship Date: 891016
Trans1 Recv Date: 891016
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891016
Part A Recv Date: 891020
Part B Recv Date: 891020
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYC0021453
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891229
Trans1 Recv Date:	891229
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891229
Part A Recv Date:	900109
Part B Recv Date:	900105
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9798772
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891206
Trans1 Recv Date:	891206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891206
Part A Recv Date:	891213
Part B Recv Date:	891218
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Document ID:	NYC0121779
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900220
Trans1 Recv Date:	900220
Trans2 Recv Date:	900220
TSD Site Recv Date:	900220
Part A Recv Date:	900312
Part B Recv Date:	900306
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYC0270922
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	7636
Generator Ship Date:	900518
Trans1 Recv Date:	900518
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900518
Part A Recv Date:	900709
Part B Recv Date:	900716
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Click this hyperlink while viewing on your computer to access
625 additional NY_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

Manifest Code:	NJA5009586
EPA ID:	NYD003917960
Date Shipped:	05/12/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/12/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/20/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06220522
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212626
EPA ID:	NYD003917960
Date Shipped:	07/12/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/12/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/12/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08250521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212628
EPA ID:	NYD003917960
Date Shipped:	07/13/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/13/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212627
EPA ID:	NYD003917960
Date Shipped:	07/14/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/14/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212778
EPA ID:	NYD003917960
Date Shipped:	07/14/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/14/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212623
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212625
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212777
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212624
EPA ID:	NYD003917960
Date Shipped:	07/18/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/18/2005

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/20/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08290521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5067385
EPA ID:	NYD003917960
Date Shipped:	11/04/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/04/2004
Date Trans2 Transported Waste:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/04/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12280421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

AT242 **STANDARD MOTOR PRODUCTS INC** **RCRA-SQG** **1000310304**
ENE **37-18 NORTHERN BLVD SITE 1** **NY SHWS** **NYD001315266**
1/2-1 **LONG ISLAND CITY, NY 11101** **NY LTANKS**
0.898 mi. **NY MANIFEST**
4741 ft. **Site 1 of 2 in cluster AT** **PA MANIFEST**
NY Spills
Relative: **NY VCP**
Higher **NY CBS**

Actual: **24 ft.**

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	STANDARD MOTOR PRODUCTS INC
Facility address:	37-18 NORTHERN BLVD SITE 1 LONG ISLAND CITY, NY 11101
EPA ID:	NYD001315266
Mailing address:	NORTHERN BLVD LONG ISLAND CITY, NY 11101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Contact:	MURRAY ROSE
Contact address:	NORTHERN BLVD LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 392-0200
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STANDARD MOTOR PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	STANDARD MOTOR PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	STANDARD MOTOR PRODUCTS INC

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Classification: Small Quantity Generator

Date form received by agency: 03/30/1998
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 03/19/1996
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1994
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/06/1992
Facility name: STANDARD MOTOR PRODUCTS INC
Site name: STANDARD MOTOR PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: STANDARD MOTOR PRODUCTS INC
Site name: STANDARD MOTOR PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 07/12/1984
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/06/2007
Date achieved compliance: 06/30/2008
Violation lead agency: EPA
Enforcement action: VERBAL INFORMAL
Enforcement action date: 04/12/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6nycrr372.2(a)(8)
Area of violation: Generators - General
Date violation determined: 05/14/1999
Date achieved compliance: 05/28/1999
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/13/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/26/1988
Date achieved compliance: 12/23/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/27/1987
Date achieved compliance: 12/28/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/30/2008
Evaluation lead agency: EPA

Evaluation date: 08/19/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/28/1999
Evaluation lead agency: EPA

Evaluation date: 10/16/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 09/26/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/23/1988
Evaluation lead agency: State

Evaluation date: 01/27/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/28/1988
Evaluation lead agency: State

SHWS:
Program: HW
Site Code: 58682
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region: 2
Acres: 1.100
HW Code: 241016
Record Add: 11/18/1999
Record Upd: 05/28/2013
Updated By: JHOCONNE
Site Description: Location:The site is located at 37-18 Northern Boulevard, Long Island City, Queens County, New York in the northwestern section of the county. Bordering the Site is Northern Boulevard to the north; Amtraks Sunnyside Railroad Yard (Sunnyside Yard) to the south; 39th Street, an automobile dealership, and a Hess (formerly Merit) gasoline station to the east; and commercial and industrial properties to the west. Site Features:The Site is approximately rectangular in shape and occupies approximately one acre of land. The Site contains a six-story industrial building with approximately 42,000 square feet per floor. A narrow strip of land on the south side of the property contains a loading dock and a dirt access path for vehicles. This strip of land is owned by the Metropolitan Transportation Authority (MTA) and is part of a long-term lease to

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Standard Motor Products. Current Zoning/Use(s):The site is being used for commercial office space. There is a commercial vegetable farm occupying part of the buildings roof. Historical Use(s): The Site has historically been involved in industrial and manufacturing activities since 1919. A small plating line for chrome plating of small machine parts operated from approximately 1975 to 1984. The site was previously used for painting automobile parts prior to distribution. In 1984, aqueous based paints replaced the previously used solvent-based paints. All painting operations were gradually eliminated between 1990 and 1991. The site also housed several other processes and included die-casting operations that ceased in the 1970s; rubber production that was eliminated around 1985; and degreasing which utilized chlorinated solvents that ended in 1990.Until March 2008, automobile parts and components at the site were primarily manufactured in the basement within recent years. The manufacturing operations included metal fabrication and machining, plastic injection molding, and assembly. A small photography laboratory for production of newsletters, brochures also operated. Hazardous or toxic materials involved in plant operations are lubricating oils for machinery, caustics for degreasing, phenolics used in molding processes, epoxies for coil production, and water-based inks involved in their small-scale printing. All wastes were temporarily stored on-site in secure containers prior to off-site disposal at a licensed treatment, storage, and disposal (TSD) facility.The Record of Decision was issued on March 23, 2009, and the Remedial Design/Remedial Action Order on Consent was signed in April 2010.Site Geology and Hydrogeology:The Site is underlain by the following units (in order by increasing depth): urban fill, Upper Pleistocene glacial deposits (including both till and channel deposits), and bedrock. The fill is predominantly comprised of reworked glacial deposits (sand, silt, clay, and gravel) and railroad ballast with minor amounts of construction debris and other materials. The Upper Pleistocene glacial deposits consist mainly of ground moraine deposits (unstratified, poorly sorted mixture of sand, silt, clay, and gravel). Bedrock was encountered at a depth of 74 feet below land surface (i.e. 53 feet below mean sea level).The groundwater beneath the Site occurs under water table (unconfined) conditions. The depth to groundwater in the vicinity of the Site is approximately 5 feet below ground surface (bgs) but may be influenced by surface runoff that results in standing water across most of the Site during rain events. The water table occurs in either fill or glacial deposits. Groundwater elevation data show that flow is primarily from east to west beneath the Site. Due to the proximity to the East River, the hydraulic gradients are gentle which is consistent with the regional groundwater contour map and the groundwater contours present on the adjacent Sunnyside Yard property. Vertical groundwater movement is restricted by the Gardiners Clay where present or by the Precambrian bedrock which is considered to be the bottom hydrogeologic boundary of the groundwater flow system. The groundwater flow rate was estimated to be 0.78 feet/day.

Env Problem: Nature and Extent of Contamination: A site investigation in 1990 was initiated after an oily sheen was observed in a puddled area on the southeast side of the property. Soil samples from this area revealed elevated levels of petroleum hydrocarbons and volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane. Approximately 2,700 sq. ft. of soil was excavated to a depth of 18 inches and stockpiled on-site. Further investigation determined that soils in

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

the area of the rear loading platform contained elevated levels of petroleum hydrocarbons and VOCs (trichloroethane TCA, triclhoroethene - TCE and other related chlorinated VOCs). Contaminated soils extended beyond the area excavated. Subsequent groundwater samples taken indicated contamination with TCA and lead. The highest levels of groundwater contamination are adjacent to the loading dock at the back of the building. Soil - Arsenic was detected at 19 ppm, which is above the applicable soil cleanup objectives (SCOs). Groundwater - Tetrachloroethylene (PCE) has been found at concentrations of up to 17 ppb. Trichloroethylene (TCE) has been found at concentrations of up to 78 ppb. Cis-1,2-Dichloroethene (cis-1,2-DCE) has been found at concentrations of up to 93 ppb. Vinyl chloride (VC) has been found at concentrations of up to 31 ppb. 1,1,1-Trichloroethane 1,1,1-TCA) has been found at concentrations of up to 180 ppb.Soil Vapor- The highest concentrations of chlorinated VOCs were detected at SB-05. Sub-slab samples contained PCE at concentration of up to 620 ug/m3. TCE and cis-1,2-DCE have been found at concentrations of up to 2,800 ug/m3 and up to 52 ug/m3 respectively. Chlorinated ethanes were found and included 1,1,1-TCA and 1,1-DCA at concentrations up to 5,200 ug/m3 and up to 450 ug/m3 respectively.Significant Threat: The site presents a significant environmental threat. An Interim Remedial Measure (IRM) consisting of a sub-slab depressurization system (SSDS) has been installed in the building and is currently in operation.

Health Problem: The on-site structure will have an active sub-slab depressurization system which will prevent contamination from entering the building via soil vapor intrusion. A air sparge/soil vapor extraction system will address contaminants present in the groundwater. Exposure to site-related contaminants in drinking water are not expected because public water serves the area.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False
Disp Start: unknown
Disp Term: unknown
Lat/Long: 40:45:07:0 / 73:55:31:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 2/29/2008 11:07:00 AM
Updated By: SMMARTIN
Own Op: Document Repository
Sub Type: NNN
Owner Name: Roz Rubinstein
Owner Company: Queens Public Library Broadway Branch
Owner Address: 40-20 Broadway
Owner Addr2: Not reported
Owner City,St,Zip: Long Island City, NY 11103
Owner Country: United States of America
Own Op: Owner
Sub Type: E
Owner Name: Gordon Johnson
Owner Company: Metropolitan Transporation Auth.
Owner Address: 347 Madion Aeve.
Owner Addr2: 9th Floor
Owner City,St,Zip: New York, NY 10017
Owner Country: United States of America

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Own Op:	Owner
Sub Type:	E
Owner Name:	Jeff Rosenblum, Acumen Capital Partners, LLC
Owner Company:	37-18 Northern Blvd., LLC
Owner Address:	37-18 Northern Boulevard
Owner Addr2:	Suite 300
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	241016
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	VINYL CHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	1,1-DICHLOROETHANE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	METHYL-TERT-BUTYL ETHER (MTBE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2-477869
Cross Ref Type Code:	18
Cross Ref Type:	PBS No.
Record Added Date:	1/4/2007 3:05:00 PM
Record Updated:	1/4/2007 3:05:00 PM
Updated By:	SMMARTIN
Crossref ID:	NYD001315266
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	11/18/1999 12:00:00 PM
Record Updated:	5/10/2001 4:31:00 PM
Updated By:	REGTRANS

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

LTANKS:

Site ID:	153383
Spill Number/Closed Date:	9509528 / 3/23/2004
Spill Date:	11/1/1995
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	11/1/1995
CID:	357
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/1/1995
Spill Record Last Update:	3/23/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	AVIS REDMAN
Spiller Phone:	(718) 392-0200
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	130150
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"02/18/04: Reassigned from KRIMGOLD to Martinkat.
Remarks:	OIL IN TANK ROOM

Material:

Site ID:	153383
Operable Unit ID:	1020065
Operable Unit:	01
Material ID:	360474
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

NY MANIFEST:

EPA ID:	NYD001315266
Country:	USA
Mailing Name:	STANDARD MOTOR PRODUCTS
Mailing Contact:	STANDARD MOTOR PRODUCTS
Mailing Address:	37-18 NORTHERN BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-0200

Document ID:	NYA3088372
Manifest Status:	Completed copy
Trans1 State ID:	18946GL
Trans2 State ID:	Not reported
Generator Ship Date:	860415
Trans1 Recv Date:	860415
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860415
Part A Recv Date:	860423
Part B Recv Date:	860421
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00770
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3823266
Manifest Status:	Completed copy
Trans1 State ID:	18946-GL/
Trans2 State ID:	Not reported
Generator Ship Date:	870120
Trans1 Recv Date:	870120
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870120
Part A Recv Date:	870130
Part B Recv Date:	870130
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F001 - UNKNOWN
Quantity:	01100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 100
Year: 87

Document ID: NYA6352317
Manifest Status: Completed copy
Trans1 State ID: 97763GT
Trans2 State ID: Not reported
Generator Ship Date: 880317
Trans1 Recv Date: 880317
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880317
Part A Recv Date: 880329
Part B Recv Date: 880321
Generator EPA ID: NYD001315266
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F001 - UNKNOWN
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00600
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 88

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYA6352065
Manifest Status:	Completed copy
Trans1 State ID:	97763GT
Trans2 State ID:	Not reported
Generator Ship Date:	880224
Trans1 Recv Date:	880224
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880224
Part A Recv Date:	880229
Part B Recv Date:	880308
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00011
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA7756155
Manifest Status:	Completed copy
Trans1 State ID:	NL6934
Trans2 State ID:	Not reported
Generator Ship Date:	891003
Trans1 Recv Date:	891003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891003
Part A Recv Date:	891012
Part B Recv Date:	891013
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 01320
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 024
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 89

Document ID: NYB2205090
Manifest Status: Completed copy
Trans1 State ID: MM5929
Trans2 State ID: Not reported
Generator Ship Date: 891219
Trans1 Recv Date: 891219
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891219
Part A Recv Date: 891228
Part B Recv Date: 891229
Generator EPA ID: NYD001315266
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D007 - CHROMIUM 5.0 MG/L TCLP
Quantity: 00880
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 016
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89

Document ID: NYC0303658
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900605
Trans1 Recv Date: 900605
Trans2 Recv Date: Not reported
TSD Site Recv Date: 900605
Part A Recv Date: 900730
Part B Recv Date: 900611
Generator EPA ID: NYD001315266
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYC0044133
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900202
Trans1 Recv Date:	900202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900202
Part A Recv Date:	900214
Part B Recv Date:	900214
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYB2460393
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC0686362
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	910122
Trans1 Recv Date:	910122
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910122
Part A Recv Date:	910211
Part B Recv Date:	910204
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC1168479
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	910826
Trans1 Recv Date:	910826
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910826
Part A Recv Date:	910906
Part B Recv Date:	910910
Generator EPA ID:	NYD001315266

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB2460375
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01815
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	033
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYB2460411
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1015502
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	NJDEPS103
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	910131
TSD Site Recv Date:	910131
Part A Recv Date:	910206
Part B Recv Date:	910220
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Trans2 EPA ID:	NYD000691949
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB2222928
Manifest Status:	Completed copy
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910604
Trans1 Recv Date:	910604
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910604
Part A Recv Date:	910614
Part B Recv Date:	910620
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYC1059693
Manifest Status:	Completed copy
Trans1 State ID:	7766
Trans2 State ID:	Not reported
Generator Ship Date:	910706
Trans1 Recv Date:	910706
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910706
Part A Recv Date:	910719
Part B Recv Date:	910715
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC1288912
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	911016
Trans1 Recv Date:	911016
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911016
Part A Recv Date:	911101
Part B Recv Date:	911104
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB1581084
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910716
Trans1 Recv Date:	910716
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910723
Part A Recv Date:	910726

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Part B Recv Date:	910815
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03200
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01320
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	024
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYB1581102
Manifest Status:	Completed copy
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910716
Trans1 Recv Date:	910716
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910723
Part A Recv Date:	910726
Part B Recv Date:	910802
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F003 - UNKNOWN
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Waste Code:	Not reported
Quantity:	02800
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	91

Document ID:	NYB2552580
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ME25756
Trans2 State ID:	Not reported
Generator Ship Date:	910927
Trans1 Recv Date:	910927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910930
Part A Recv Date:	911009
Part B Recv Date:	911031
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00325
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	065
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 91

Click this hyperlink while viewing on your computer to access
363 additional NY_MANIFEST: record(s) in the EDR Site Report.

PA MANIFEST:
Year: 2010
Manifest Number: 000895430GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 2
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895431GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D009
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 10

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	000895430GBF
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	04/07/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D002
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	10
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	000895430GBF
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	04/07/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895430GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 80
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895431GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: U151
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 10
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Manifest Number:	000141753SKS
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	06/30/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D002
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	300
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2008
Manifest Number:	000141753SKS
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	06/30/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	300
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-316-4332
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	30
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-316-4332
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	55
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 718-316-4332
Page Number: 1
Line Number: 4
Waste Number: D008
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAH043327
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 03/20/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 718-316-4332
Page Number: 1
Line Number: 3
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

SPILLS:
Facility ID: 9006846
DER Facility ID: 130150
Facility Type: ER
Site ID: 153382
DEC Region: 2
Spill Date: 9/21/1990
Spill Number/Closed Date: 9006846 / 10/15/1990
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: FINGER
Referred To: Not reported
Reported to Dept: 9/21/1990
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/25/1990
Spill Record Last Update: 9/2/2004
Spiller Name: Not reported
Spiller Company: STANDARD MOTOR PRO
Spiller Address: 37-18 NORTHERN BLVD
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Not reported
Remarks: DRUMS FELL OFF TRUCK, SPILLED ONTO SOIL AREA, SPEEDY DRY WAS APPLIED, WILL PICK UP & REMOVE CONTAMINATED SOIL.

Material:
Site ID: 153382
Operable Unit ID: 947356
Operable Unit: 01
Material ID: 434292
Material Code: 0022
Material Name: Waste Oil/Used Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 9900754
DER Facility ID: 130150
Facility Type: ER
Site ID: 153384
DEC Region: 2
Spill Date: 4/20/1999
Spill Number/Closed Date: 9900754 / 6/11/2002
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
SWIS: 4101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	4/20/1999
CID:	366
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/20/1999
Spill Record Last Update:	9/2/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"CON ED E2MIS NOTES 7-08-994-20-99 1100hrs.An undiaperable sheen found on 500 gals of water in Vault #unknown, no secondary or primary cables in structure, contained, no sewers or waterways affected. Sample to be taken.Lab Seq#99-04008 <1ppm 4-20-99 2000hrs.5-01-99 18:00hrs. CLeanup completed & Env. Tag #24760 removed.UPDATE - 5/4/99 - NO LEAKING COMPANY EQUIPMENT. INCIDENT IS CLOSED.
Remarks:	PRODUCT FOUND IN VAULT AND IS CONTAINED ON WATER. SAMPLES TO BE TAKEN AND CLEAN UP TO BEGIN.CON ED #124344.

Material:

Site ID:	153384
Operable Unit ID:	1079518
Operable Unit:	01
Material ID:	307875
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

VCP:

Program Type:	VCP
Site Code:	58683
HW Code:	V00257
Site Class:	N
SWIS:	4101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Region: 2
Town: New York City
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 10/19/2001
Updated By: REEVANS
Site Description: See Registry Site # 241016
Env Problem: Not reported
Health Problem: Not reported

CBS:
CBS Number: 2-000153
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 591047.33773000
UTMY: 4511892.8172899

AT243 **STANDARD MOTOR PRODUCTS, INC.** **NY VAPOR REOPENED** **S101008344**
ENE **37-18 NORTHERN BOULEVARD** **NY CBS AST** **N/A**
1/2-1 **LONG ISLAND CITY, NY 11101**
0.898 mi.
4743 ft. **Site 2 of 2 in cluster AT**

Relative:
Higher

Actual:
24 ft.

VAPOR REOPENED:
Site Code: 241016
Facility Status: Complete

CBS AST:
CBS Number: 2-000153
ICS Number: 2-021443
PBS Number: Not reported
MOSF Number: Not reported
SPDES Number: Not reported
Facility Status: INACTIVE FACILITY
Facility Type: Not reported
Telephone: (718) 392-0200
Facility Town: NEW YORK CITY
Region: STATE
Expiration Date: 07/27/1991
Total Capacity of All Active Tanks(gal): 0
Operator: MURRAY ROSE
Emergency Contact: CRAIG SWANBURG
Emergency Phone: (516) 795-7147
Owner Name: STANDARD MOTOR PRODUCTS, INC.
Owner Address: 37-18 NORTHERN BOULEVARD
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 392-0200
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Mail Name: STANDARD MOTOR PRODUCTS, INC.
Mail Contact Addr: 37-18 NORTHERN BOULEVARD
Mail Contact Addr2: Not reported
Mail Contact Contact: MURRAY L. ROSE
Mail Contact City,St,Zip: LONG ISLAND CITY, NY 11101
Mail Phone: (718) 392-0200

STANDARD MOTOR PRODUCTS, INC. (Continued) **S101008344**

Tank Id:	061
CAS Number:	71556
Federal ID:	Not reported
Tank Status:	0
Install Date:	01/77
Tank Closed:	07/91
Capacity (Gal):	1000
Chemical:	1,1,1-Trichloroethane
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	Major Data Missing (which is on the certificate)
Date Entered:	07/27/1989
Certified Date:	07/27/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Containment:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	08/20/91
Is It There:	False
Delinquent:	False
Date Expired:	07/27/91
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	08/20/1991

244
SW
1/2-1
0.944 mi.
4986 ft.

S & G WOODWORKING INC **RCRA-CESQG 1008892201**
1155 MANHATTAN AVE - MAIN FLOO **NY SHWS NYR000135772**
BROOKLYN, NY 11222 **NY MANIFEST**

Relative:
Lower

Actual:
11 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	S & G WOODWORKING INC
Facility address:	1155 MANHATTAN AVE - MAIN FLOO BROOKLYN, NY 11222
EPA ID:	NYR000135772
Mailing address:	MANHATTAN AVE - MAIN FLOOR BROOKLYN, NY 11222
Contact:	MOSHE GRANIT

S & G WOODWORKING INC (Continued) **1008892201**

Contact address: MANHATTAN AVE - MAIN FLOOR
BROOKLYN, NY 11222
Contact country: US
Contact telephone: (718) 389-5602
Telephone ext.: 19
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

S & G WOODWORKING INC (Continued) **1008892201**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: S & G WOODWORKING INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/07/2005
Facility name: S & G WOODWORKING INC
Classification: Small Quantity Generator

Violation Status: No violations found

SHWS:
Program: HW
Site Code: 421914
Classification: N
Region: 2
Acres: 3.865
HW Code: 224138
Record Add: 11/17/2009
Record Upd: 08/26/2011
Updated By: MJKOMORO
Site Description: LOCATION: The Greenpoint Manufacturing and Design Center (GMDC) property is located at 1155-1205 Manhattan Avenue which is an urban area of Brooklyn (Kings County) in New York City. SITE FEATURES: The property is nearly entirely covered by structures, with only one small area covered with other impervious material located along the northern edge of the property along Newtown Creek. There are eight contiguous four to six-story building on the property. The property borders Newtown Creek on the north side. CURRENT ZONING/USE: This property is currently in use for many separate commercial uses, primarily by small businesses and artisans. The surrounding uses are varied - the property adjacent to the west is indicated as having residential and commercial use but appears commercial; the properties to the east across Manhattan Avenue are indicated as being factory/industrial uses, but appear to be commercial with residential above. HISTORICAL USE(s): The property has a long industrial/commercial history, but went through an extensive remedial effort overseen by local agencies in the 1990's. The property owners have done significant renovations on the buildings and have conducted at least two recent investigations which identified limited groundwater contamination, but did not identify any significant soil contamination.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Only two (of ten) temporary groundwater sampling wells located in the basement of the structure at 1155 Manhattan Avenue showed evidence of contamination. Each contained one chlorinated VOC slightly above standards. Tetrachloroethylene was identified at 21ppb; chloroform was identified at 12 ppb. Groundwater standards are 5 ppb and 7 ppb respectively. Soil samples from these borings were below unrestricted standards for the same compounds. Samples taken from permanent wells did not identify any VOC contamination. Based on professional judgment, the slight exceedances of groundwater standards, adjacent

S & G WOODWORKING INC (Continued) **1008892201**

to the Newtown Creek Superfund Site, do not constitute a significant threat to the environment. No further investigations are warranted at this time. Site designation was changed from "P" to "N."

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	01
Owner Name:	Manhattan Avenue Holding Corp.
Owner Company:	Manhattan Avenue Holding Corp.
Owner Address:	1155 Manhattan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Paul Parkhill
Owner Company:	Greenpoint Manufacturing & Design Center
Owner Address:	1155 Manhattan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

NY MANIFEST:

EPA ID:	NYR000135772
Country:	USA
Mailing Name:	SG WOODWORKING INC
Mailing Contact:	ZOGALA
Mailing Address:	1155 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-5602

S & G WOODWORKING INC (Continued) **1008892201**

NY MANIFEST:
No Manifest Records Available

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245 South 1/2-1 0.951 mi. 5020 ft.

Relative: Lower

Actual: 7 ft.

FORMER MANHATTAN ADHESIVES PLANT **NY SHWS** **S105972443**
425-459 GREENPOINT AVENUE **N/A**
BROOKLYN, NY

SHWS:

Program:	HW
Site Code:	58916
Classification:	N
Region:	2
Acres:	Not reported
HW Code:	224009
Record Add:	11/18/1999
Record Upd:	12/16/2003
Updated By:	kstang
Site Description:	The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites. Manhattan Adhesives is currently an empty factory building that is located at the foot of the Greenpoint Ave., Bridge in Brooklyn. Besides the Manhattan Adhesives factory, about 10 feet from the northeast wall is a manhole (not a sewer or drain) into which liquid waste was allegedly discharged. This waste came from a condemned oil storage site located at the intersection of Rt. 280, and the NJ Turnpike in NJ. The manhole is suspected of being the opening to an underground tank; however, the quantity of the waste allegedly dumped exceeds the capacity of most tanks. This information was obtained from the State Senate Committee on Crime and the Brooklyn District Attorney's office. Phase I State Superfund has been completed. A partial phase II investigation was completed during 1985 and recommended no further action. The Responsible Party has agreed to undertake an investigation in 1986. An investigation has not found hazardous waste on-site.
Env Problem:	Not reported
Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	FRANK CASTIGLIONE
Owner Address:	32-02 COLLEGE POINT BLVD.
Owner Addr2:	Not reported
Owner City,St,Zip:	FLUSHING, NY 11354
Owner Country:	United States of America

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Frank Castiglione
Owner Address:	32-02 College Point Boulevard
Owner Addr2:	Not reported
Owner City,St,Zip:	Flushing, NY 11354
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

246
NE
1/2-1
0.959 mi.
5063 ft.

Relative:
Higher

Actual:
39 ft.

LEVCO METALS PROPERTY
34-11 36TH STREET
LONG ISLAND CITY, NY 11101

NY SHWS **U003391190**
NY AST **N/A**
NY HIST AST
NY MANIFEST
NY Spills
NY VCP

SHWS:

Program:	HW
Site Code:	58675
Classification:	COMPLETED
Region:	2
Acres:	.500
HW Code:	241009
Record Add:	11/18/1999
Record Upd:	05/16/2012
Updated By:	JHOCONNE

Site Description: See also Site no. V00600Location:The Levco Metals Finishers property is located in an urban area of New York City in an industrial part of Long Island City, Queens County. The address is 34-11 36th Street. Site Features:The entire site is occupied by a one story building which covers approximately 21,900 sq.ft. Historical Use:Levco was a metal finishing facility which conducted metal stripping, etching, and plating processes for over 30 years. Industrial operations ceased in November 1990. In March 1996, the Record of Decision (ROD) was executed, which recommended delisting of the site from the Registry. The site has been delisted from the Registry in May 1996. The ROD also recommended additional groundwater monitoring on a semi-annual basis.

Env Problem: Nature and Extent of Contamination:Interim Remedial Measures (IRMs) consisting of excavation and off-site disposal of soil achieved the main remedial goals of the removal of hazardous waste in the former sump area and the cleanup of on-site soil to levels protective of the public health and the environment. Additional remedial action commenced in 2005 under the Voluntary Cleanup Program (see site no. V00600) which is intended to address residual contaminants in the groundwater. An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.Soil: Prior to IRM: elevated concentrations of volatile organic compounds (e.g.,

LEVCO METALS PROPERTY (Continued) **U003391190**

2 ppm trichloroethane; 3.5 ppm trichloroethene) and metals (e.g. 21.2 ppm cadmium; 12 ppm chromium) were detected in the soil beneath the sump area. Contaminated soil from this area was excavated and disposed off site in October 1994.Groundwater : On-Site groundwater is contaminated as a result of disposal activities. Predominant contaminants above Class GA groundwater standards are trichloroethene, 1,1,1-trichloroethane, and cis-1,2-dichloroethene. The ROD recommended additional groundwater monitoring on a semi-annual basis. From 1996 to 2001, several rounds of groundwater monitoring have been conducted and showed that the contaminant levels in the groundwater beneath the site have not declined to acceptable levels. Further remediation of groundwater is being addressed under site no. V00600. Soil gas: An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.

Health Problem:	Soil and groundwater are contaminated with volatile organic compounds (VOCs). Exposure to contaminated groundwater is not expected since the area is served by public water. Contaminated soil is subsurface, therefore exposure is unlikely. A soil vapor extraction system is in place on-site to remediate VOCs in soil and soil vapor. Therefore, inhalation exposure via soil vapor exposure has been minimized. Additional data is needed to evaluate the potential for off-site exposure due to soil vapor intrusion.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	1990
Lat/Long:	40:45:32:0 / 73:55:20:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	KAUFMAN ASTORIA STUDIOS
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	CHARLES LEVA(DECEASED)
Owner Company:	Levco Metals
Owner Address:	34-11 36TH. STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	GEORGE S. KAUFMAN
Owner Company:	KAUFMAN ASTORIA STUDIOS
Owner Address:	34-12 36TH ST.
Owner Addr2:	Not reported

LEVCO METALS PROPERTY (Continued) **U003391190**

Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Kaufman Astoria Studios
Owner Address:	34-12 36th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	241009
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-334979
Program Type:	PBS
UTM X:	590557.77422999998
UTM Y:	4512160.55492
Expiration Date:	2017/11/16
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	15954
Affiliation Type:	On-Site Operator
Company Name:	3411 36TH AVENUE
Contact Type:	Not reported
Contact Name:	DIMITRIOS TSAKONAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 249-1400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Facility Owner
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	MANAGING AGENT
Contact Name:	ANNIE ASSOULINE
Address1:	415 EAST 75TH ST. APT 1FW
Address2:	Not reported

LEVCO METALS PROPERTY (Continued) **U003391190**

City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 249-1400
EMail:	ASAPROP@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Mail Contact
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	MANAGING AGENT
Contact Name:	ANNIE ASSOULINE
Address1:	415 EAST 75TH ST. APT 1FW
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 249-1400
EMail:	ASAPROP@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Emergency Contact
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	Not reported
Contact Name:	AGRON KOLNDREKHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 606-7237
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/3/2013

Tank Info:

Tank Number:	001
Tank Id:	20924
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

LEVCO METALS PROPERTY (Continued) **U003391190**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1940
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	10/11/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-334979
SWIS Code:	6301
Operator:	DIMITRIOS TSAKONAS
Facility Phone:	(718) 461-7357
Facility Addr2:	34011 36TH AVENUE
Facility Type:	Not reported
Emergency:	GREGORY ORTIS
Emergency Tel:	(718) 937-8437
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DIMITRIOS TSAKONAS
Owner Address:	3161 38TH ST
Owner City,St,Zip:	ASTORIA, NY 11103
Federal ID:	Not reported
Owner Tel:	(718) 461-7357
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	DIMITRIOS TSAKONAS
Mailing Address:	3161 38TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ASTORIA, NY 11103
Mailing Telephone:	(718) 461-7357
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/16/1987
Expiration:	11/16/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000

LEVCO METALS PROPERTY (Continued) **U003391190**

FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYD001316777
Country:	USA
Mailing Name:	LEVCO METAL FINISHES
Mailing Contact:	N/S
Mailing Address:	450 7TH AVE PENTHOUSE
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10123
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-5200

NY MANIFEST:

No Manifest Records Available

LEVCO METALS PROPERTY (Continued) **U003391190**

SPILLS:

Facility ID:	8607571
DER Facility ID:	143329
Facility Type:	ER
Site ID:	170332
DEC Region:	2
Spill Date:	2/28/1987
Spill Number/Closed Date:	8607571 / 3/30/1987
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	4101
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	3/12/1987
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	3/30/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/13/1987
Spill Record Last Update:	2/18/2004
Spiller Name:	Not reported
Spiller Company:	LEVCO
Spiller Address:	34-11 36 ST.
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " " / / : PAUL DECKER (CERT. ENG. TEST. CO.) WILL SEND LAB RESULTS TO AUSTIN; MEETING WILL BE ARRANGED TO DEVELOP FURTHER STRAGETY. / / : PAUL DECKER (CERT. ENG. TEST. CO.) WILL SEND LAB RESULTS TO AUSTIN; MEETING WILL BE ARRANGED TO DEVELOP FURTHER STRATEGY. 10/10/95: This is additional information about material spilled from the translation of the old spill file: TRICHLORETHYLENE.
Remarks:	NOTIFIED OF CONTAMINATION BY CONSULTANT FOR PROPERTY OWNER.

Material:

Tank Test:

VCP:

Program Type:	VCP
Site Code:	57131
HW Code:	V00600
Site Class:	A
SWIS:	4101
Region:	2
Town:	New York City
Acres:	.500

LEVCO METALS PROPERTY (Continued) **U003391190**

Date Record Added: 07/23/2002
Date Record Updated: 06/11/2013
Updated By: JHOCONNE
Site Description: See also Site no. 241009Location:The Levco Metals Finishers property is located in an urban area of New York City in an industrial part of Long Island City, Queens County. The address is 34-11 36th Street. Site Features:The entire site is occupied by a one story building which covers approximately 21,900 sq.ft. Historical Use:Levco was a metal finishing facility which conducted metal stripping, etching, and plating processes for over 30 years. Industrial operations ceased in November 1990. In March 1996, under the State Superfund Program the Record of Decision (ROD) was executed, which recommended delisting of the site from the Registry. The site has been delisted from the Registry in May 1996. The ROD also recommended additional groundwater monitoring on a semi-annual basis. The additional groundwater monitoring is being addressed under the Voluntary Cleanup Program. Hydrogeology:Groundwater flows to the east.
Env Problem: Nature and Extent of Contamination:Interim Remedial Measures (IRMs) consisting of excavation and off-site disposal of soil achieved the main remedial goals of the removal of hazardous waste in the former sump area and the cleanup of on-site soil to levels protective of the public health and the environment. These actions were completed under the State Superfund (SSF) Program. Additional remedial action commenced in 2005 under the Voluntary Cleanup Program (see site no. V00600) which is intended to address residual contaminants in the groundwater. An off-site vapor investigation was completed in 2010 under the SSF Program which concluded that there were no off-site vapor issues.Soil - Prior to IRM: elevated concentrations of volatile organic compounds (e.g., 2 ppm trichloroethane; 3.5 ppm trichloroethene) and metals (e.g. 21.2 ppm cadmium; 12 ppm chromium) were detected in the soil beneath the sump area. Contaminated soil from this area was excavated and disposed off site in October 1994 under the SSF Program.Groundwater - On-Site groundwater is contaminated as a result of disposal activities. Predominant contaminants above Class GA groundwater standards are trichloroethene, 1,1,1-trichloroethane, and cis-1,2-dichloroethene. The SSF Record of Decision (ROD) recommended additional groundwater monitoring on a semi-annual basis. From 1996 to 2001, several rounds of groundwater monitoring have been conducted and showed that the contaminant levels in the groundwater beneath the site have not declined to acceptable levels. Further remediation of groundwater is being addressed under site no. V00600. Soil gas - An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.
Health Problem: Soil and groundwater are contaminated with volatile organic compounds (VOCs). Exposure to contaminated groundwater is not expected since the area is served by public water. Contaminated soil is subsurface and will be removed as part of a site-wide redevelopment. A sub-slab depressurization system will be incorporated into the new building to prevent soil vapor intrusion from site related contaminants of concern.

247
NE
1/2-1
0.966 mi.
5100 ft.

KAUFMAN ASTORIA STUDIOS
34-12 36TH ST
ASTORIA, NY 11106

NY SHWS **U001831683**
NY MANIFEST **N/A**
NY Spills

Relative:
Higher

Actual:
37 ft.

SHWS:

Program:	HW
Site Code:	460318
Classification:	N
Region:	2
Acres:	.920
HW Code:	241139
Record Add:	01/25/2012
Record Upd:	12/17/2012
Updated By:	KALEWAND

Site Description: Location: The Site is located at 34-12 36th Avenue, Long Island City, NY in an urban area. It consists of a four-story public school building with a partial basement and a total floor area of approximately 40,000 square feet. The school occupies the first 3 floors and the owner occupies the top floor.Site Features: The Site is bounded by 36th Avenue to the north followed by two four-story residential buildings, 35th Street to the east followed by two-story commercial buildings, two-story commercial and residential properties to the south, and three- and four-story residential with first floor commercial spaces to the west.Current Zoning/Use(s):The site is zoned as M1-1, and is surrounded by industrial, commercial and residential uses.Historic Use(s):The Site was a commercial building occupied by various manufacturing and warehousing entities including a cosmetic manufacturing firm from at least 1934 to approximately 1967. The Site was renovated for use as a public school in 2002. Site Topography, Geology and Hydrogeology:The Site is generally level and the surrounding area slopes downward from north to south.The geology of Queens County consists of unconsolidated glacial deposits overlying crystalline bedrock at about 80 feet below ground surface (bgs). Soil cores collected during prior investigations generally consisted of fill material containing brown sandy silt with some gravel, to a depth of 8 feet bgs. The Site is located 1.1 miles east of the East River and approximately 1.5 miles northeast of Newtown Creek. Groundwater is at 18 to 21 feet bgs. The hydraulic gradient direction is towards the southwest.The site did not qualify for addition to the Registry of Inactive Hazardous Waste Disposal Sites.

Env Problem: Nature and Extent of Contamination: The Supplemental Site Investigation (SSI) dated April 2012 indicated that the presence of tetra-chloroethylene (PCE) and its breakdown products at elevated concentrations in the underlying groundwater. The subsequent Addendum to the SSI performed in June 2012 revealed the presence of these chlorinated volatile organic compounds (CVOCs) at even higher concentrations in nearby upgradient locations.Soil ? There were no volatile organic compounds detected in soil samples at concentrations at or above the Unrestricted Use Soil Cleanup Objectives (UUSCOs). Twelve of sixty-five semi-volatile organic compounds (SVOCs) were detected in one or more soil samples. However, none were detected above the UUSCOs. Seven of the eight metals analyzed for were detected, but only lead and silver were detected at concentrations exceeding the UUSCOs. These were attributed to the characteristics of the fill material. PCBs were not detected in any of the soil samples.Groundwater ? On-site: Three VOCs, namely PCE (450 ppb), tri-chloroethylene (TCE-15 ppb), and cis-1,2-dichloroethylene (DCE-24

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

ppb)were detected in groundwater samples at levels exceeding groundwater standards.Off-site: PCE and one or more of its breakdown products were detected above Class GA Standards in all of the groundwater samples save one. The highest concentrations of these CVOCs were detected in samples from monitoring wells located directly in front of the dry cleaning concern at 35-45 35th Street (13,600 ppb) and at the intersection of 35th Street and 36th Avenue (5,500 ppb -50 feet southwest of the dry cleaning concern) northeast of and directly upgradient of the Site.Sub-slab soil vapor ? Sixteen petroleum and chlorinated solvent related VOCs were detected in one or more of the four sub-slab soil vapor samples. Concentrations of 1,1-Dichloroethane (DCA), 1,2,4-Trimethylbenzene (TMB), 1,3,5-Trimethylbenzene, cis-1,2-Dichloroethene (DCE), PCE and TCE were detected at concentrations greater than the range of published background concentrations. PCE and TCE were detected at concentrations exceeding the NYSDOH Air Guideline Values (AGVs) in all four samples. Indoor Air ? Fifteen petroleum and chlorinated solvent related VOCs were detected in at least one of the two indoor air samples. The concentrations of 1,2,4-TMB, 1,3,5-TMB and PCE exceeded the range of corresponding background indoor air concentrations. However, the concentration of PCE was below the corresponding NYSDOH AGV. A subsequent indoor air sampling event confirmed these findings. Outdoor Air ? PCE was detected in the outdoor air sample at a concentration well below the concentrations found in indoor air and TCE was not detected in the outdoor air sample, indicating that the presence of these compounds in indoor air did not originate from ambient conditions. Significant Threat:The results of the SSI groundwater analysis revealed that PCE, TCE and cis-1,2-DCE were detected at concentrations above the NYSDEC groundwater standard on-site. The presence of these VOCs in groundwater did not appear to be attributable to an on-site source as there was no corresponding detections at high concentrations in soil samples. However, as the Addendum to the SSI revealed there are greater levels of CVOC contamination in nearby off-site upgradient locations and this is most likely the source of on-site CVOC contamination.CVOCs detected at elevated concentrations in sub-slab soil vapor and indoor air are attributable to the the contamination in groundwater. Comparisons of the sub-slab soil vapor concentrations of PCE and TCE to indoor air concentrations indicate that the vapor intrusion pathway is complete and, as per the NYSDOH decision matrices, mitigation is the recommended action. Therefore, a Sub-Slab Depressurization System is scheduled to be installed during the summer break.

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	On-Site Operator

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Sub Type:	NNN
Owner Name:	Lee Guterman
Owner Company:	NYSCA
Owner Address:	30-30 Thomson Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Sharif El Fouly
Owner Company:	Sharif Designs Ltd.
Owner Address:	34-12 36th Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11106
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

NY MANIFEST:

EPA ID:	NY0000009092
Country:	USA
Mailing Name:	KAUFMAN ASTORIA STUDIOS
Mailing Contact:	TOM ADDIVINOLA
Mailing Address:	34-12 36TH ST
Mailing Address 2:	Not reported
Mailing City:	ASTORIA
Mailing State:	NY
Mailing Zip:	11106
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-5600

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	18-Jan-2013 00:00:00
Trans1 Recv Date:	18-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	200

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010560991JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	11-Jun-2013 00:00:00
Trans1 Recv Date:	11-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	26-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011095730JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	OH0000000539
Generator Ship Date:	2012-11-09
Trans1 Recv Date:	2012-11-09
Trans2 Recv Date:	2012-11-21
TSD Site Recv Date:	2012-12-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	562.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Manifest Tracking Num:	010098579JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-15
Trans1 Recv Date:	2011-12-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	009375889JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-08-03
Trans1 Recv Date:	2011-08-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008825624JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

EPA ID:	NYD986973634
Country:	USA
Mailing Name:	EMMIS BROADCASTING INCORPORATED
Mailing Contact:	RICHARD A. JAMES
Mailing Address:	34-12 36TH STREET
Mailing Address 2:	Not reported
Mailing City:	ASTORIA
Mailing State:	NY
Mailing Zip:	11106
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-706-7690

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	18-Jan-2013 00:00:00
Trans1 Recv Date:	18-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05-Feb-2013 00:00:00

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010560991JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	11-Jun-2013 00:00:00
Trans1 Recv Date:	11-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	26-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011095730JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	OH0000000539
Generator Ship Date:	2012-11-09
Trans1 Recv Date:	2012-11-09
Trans2 Recv Date:	2012-11-21
TSD Site Recv Date:	2012-12-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Waste Code:	Not reported
Quantity:	562.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098579JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-15
Trans1 Recv Date:	2011-12-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Year:	2011
Manifest Tracking Num:	009375889JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-08-03
Trans1 Recv Date:	2011-08-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008825624JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

SPILLS:

Facility ID:	1010245
DER Facility ID:	398753
Facility Type:	ER
Site ID:	443842
DEC Region:	2
Spill Date:	12/31/2010
Spill Number/Closed Date:	1010245 / 12/31/2010
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	4101
Investigator:	HRAHMED
Referred To:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Reported to Dept:	12/31/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/31/2010
Spill Record Last Update:	12/31/2010
Spiller Name:	Not reported
Spiller Company:	METRO FUEL
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	RENEE LEWIS
Contact Phone:	Not reported
DEC Memo:	12/31/10-HRAHMED-Spoke to Rene Lewis (917 420 8330) of Alliance Mechanical. As per him, 5-7 gal of #6 oil spill from the vent line due to overfill. Noticed oil stain on the wall and side walk. PTC powewashed the wall and the sidewalk. There was no spill in the tankroom. Uploaded closure report and some picture in eDocs.This case is closed.
Remarks:	Caller advised overfill of tank. Clean up is in process.

Material:

Site ID:	443842
Operable Unit ID:	1194289
Operable Unit:	01
Material ID:	2190050
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

248
SSW
1/2-1
0.981 mi.
5180 ft.

FORMER NEY SMELTING AND REFINING COMPANY **NY SHWS** **S113916765**
269 FREEMAN STREET **N/A**
GREENPOINT, NY 11222

Relative:
Lower

Actual:
12 ft.

SHWS:

Program:	HW
Site Code:	439622
Classification:	N
Region:	2
Acres:	1.200

FORMER NEY SMELTING AND REFINING COMPANY (Continued) **S113916765**

HW Code: 224144
Record Add: 09/08/2010
Record Upd: 10/31/2013
Updated By: MJKOMORO
Site Description: Location:The Site is located across multiple addresses in the Greenpoint section of Brooklyn, NY. The addresses for the Site include 257, 259, 263, & 269 Freeman Street and 230, 238, 242 Eagle Street. 269 Freeman Street is also known as 105 Provost Street. The Newtown Creek Water Pollution Control Plant (WPCP) is located directly east of the Site.Site Features:The original Site encompassed five separate buildings and three yards that occupy seven separate lots. The buildings are no more than 2 stories in height. The entire Site is approximately 1.2 acres in size. There are manufacturing buildings to the north, south and west of the Site.Current Zoning/Uses:The area (and properties) is zoned M3-1 which includes heavy manufacturing and industrial uses along with certain commercial uses. Properties on the site are currently used for the manufacturing of air conditioning duct work, a distribution center for paint and varnish, parking, and staging of various contracting equipment.- 263-269 Freeman and 242 Eagle Street are currently used for the manufacturing of air conditioning duct work and accessories- 238 Eagle street is currently used for the distribution of paint and varnish. - The Yard portion east of 238 Eagle Street is currently an unused dirt yard. Historical Uses:In the early 1900?s the site was used as a cooperage for wooden barrel and cask production. From approximately 1942 to 1982, the property was occupied by Reliable Machine Company that had numerous paint spraying locations on the property. In 1982, Ney Smelting and Refining Company took ownership of the property in 1982 and renovated the buildings and used the property for smelting of lead, tin and zinc. Smelting operations ceased in 2003.Site Geology and Hydrogeology:Shallow boring logs indicate the Site overlies historic fill. The soil type below the fill is not known. Depth to groundwater is approximately 10 feet below grade and may be tidally influenced due to the close proximity to the Newtown Creek. Groundwater flow may also be affected by the adjacent Newtown Creek WPCP. Groundwater flow direction is estimated to be to the northeastMiscellaneous:There are no PBS, CBS records for the multiple addresses of the Site.
Env Problem: The site is covered with multiple buildings and parking facilities. One small area of the site contains a dirt construction yard that is largely underlain by a concrete slab.The shallow subsurface soil is comprised of historic fill that contains building debris such as brick and concrete, ash, and soil. This material contains elevated concentrations of inorganics that are generally below allowable concentrations at industrial sites. SVOCs are also present in the soil at the site but also do not exceed standards for industrial areas. No VOCs were detected at levels that cause concern. Data from TCLP analyses were all below hazardous waste thresholds.Groundwater is sporadically impacted by PCE and breakdown products. There is no continuous plume of impacted groundwater as would be observed if a source of PCE was present.
Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported

FORMER NEY SMELTING AND REFINING COMPANY (Continued) **S113916765**

Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	02
Owner Name:	Greenpoint Group, LLC
Owner Company:	Greenpoint Group, LLC
Owner Address:	269 Freeman Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	03
Owner Name:	Michael Kustanovich
Owner Company:	Aleta Group, Inc.
Owner Address:	242 Eagle Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	09
Owner Name:	Haim Boiangiu
Owner Company:	Abbot Paint & Varnish
Owner Address:	238 Eagle St.
Owner Addr2:	Not reported
Owner City,St,Zip:	Green Point, NY 11222
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	03
Owner Name:	Geno Camali
Owner Company:	259 Freeman, LLC
Owner Address:	304 Harrington Ave
Owner Addr2:	Not reported
Owner City,St,Zip:	Closter, NJ 07624
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	03
Owner Name:	Herb Lowenstein
Owner Company:	238 Eagle Realty Co. LLC.
Owner Address:	3006 Davis Pl
Owner Addr2:	Not reported
Owner City,St,Zip:	Oceanside, NY 11572
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

249
South
1/2-1
0.991 mi.
5233 ft.

460 KINGSLAND AVENUE LLC
460 KINGSLAND AVE
BROOKLYN, NY 11222

NY SHWS **U003074537**
NY HIST UST **N/A**
NY AST
NY MANIFEST
NY Spills

Relative:
Lower

Actual:
9 ft.

SHWS:

Program:	HW
Site Code:	415641
Classification:	P
Region:	2
Acres:	3.500
HW Code:	224135
Record Add:	06/25/2009
Record Upd:	09/15/2010
Updated By:	SRHEIGEL

Site Description: The Site is located at 460 Kingsland Avenue in the northernmost section of Brooklyn within a commercial/industrial area and is approximately 3.5 acres in size. It is bordered by Newtown Creek to the east, Kingsland Avenue to the west, Greenpoint Avenue to the north (adjacent to Newtown Creek WPCP), and the Former ExxonMobil Brooklyn Terminal (Mobil Brooklyn Refinery) to the south. Topographic elevations at the Site are approximately 7 feet above mean sea level (amsl) within the southeastern portion of the Site and gradually rise to approximately 11 ft amsl within the northwestern portion of the Site.The Site is currently vacant but was most recently used as a trucking distribution hub. The site has two abutting one-story buildings divided into storage and office space. Exterior areas are paved and used for delivery and shipping purposes, as well as the staging of delivery vehicles. The Site was historically operated as part of the former Mobil Brooklyn Refinery (SOCONY), which itself was a continuation of petroleum refining and storage operations that were prevalent in Greenpoint since the mid-Nineteenth Century. As part of the earlier petroleum refining and storage operations, the southern region of the Site was used for petroleum bulk storage purposes whereas improvements in the northern region of the Site included a distillery and a boiler works storage yard. Under former operations, the Site also served as a petroleum bulk storage yard that included three petroleum bulk storage tanks, two chemical bulk storage tanks containing acids, and an API-type oil/water separator along the southern Site boundary. The site was reportedly used by Mobil?s Technical Services Division (TSD) for study of petroleum product uses.After refinery operations at the former Mobil Brooklyn Refinery ceased in 1966, the Site was sold in 1967 and redeveloped with the existing commercial building in 1968 and occupied by miscellaneous trucking operations. In addition, fifteen underground storage tanks containing diesel fuel, heating oil, and waste oil were maintained during the operation of the commercial/transfer facilities and were removed in 1994. A spill (#9402812) reported during the tank removal initiated site investigation and characterization activities. In addition, ExxonMobil has performed some investigation of the site as part of the remediation of the former Mobil Brooklyn Refinery.The initial investigation activities indicated petroleum-impacted soils existed within the shallow subsurface beneath the Site and that free-phase petroleum product was also located within the shallow subsurface. More recent sampling seeking to close the open spill identified PCB contamination in shallow soil under the asphalt pavement and indicated limited groundwater contamination from PCBs exists.

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Env Problem:	Soil sampling indicates that hazardous waste disposal has occurred at the site. Groundwater sampling at the site indicates that PCBs may be present in the shallow groundwater at levels above the NYSAWQS. Additional site characterization is necessary to examine complete nature and extent in groundwater and soil and to determine if a significant amount of waste is present.Petroleum impacts are present in site in shallow and deeper soils, and in groundwater from former refining operations on and near the site.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	02
Owner Name:	Not reported
Owner Company:	NEW SAG LLC
Owner Address:	2 GALASSO PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	MASPETH, NY 11378
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	SALVATORE TROVATO
Owner Company:	REVEAL KINGSLAND LLC
Owner Address:	X
Owner Addr2:	Not reported
Owner City,St,Zip:	X, NY 11222
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	FRANK GALASSO
Owner Company:	NEWSAG LLC
Owner Address:	X
Owner Addr2:	Not reported
Owner City,St,Zip:	X, NY 11222
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

HIST UST:

PBS Number:	2-318035
SPDES Number:	Not reported
Emergency Contact:	CARL BEZNOTT
Emergency Telephone:	(913) 344-3000
Operator:	STEVE SHINNERS
Operator Telephone:	(913) 344-3000
Owner Name:	YELLOW FREIGHT SYSTEM, INC
Owner Address:	10990 ROE AVE
Owner City,St,Zip:	OVERLAND PARK, KS 66211
Owner Telephone:	(913) 345-3000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	YELLOW FREIGHT SYSTEM, INC
Mailing Address:	10990 ROE AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	OVERLAND PARK, KS 66211
Mailing Contact:	ENVIRONMENTAL SERVICES
Mailing Telephone:	(913) 344-3000
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	460 KINGSLAND AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/04/1992
Expiration Date:	07/20/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	275
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	07/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	07/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 07/01/1994
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-318035
Program Type: PBS
UTM X: 589315.25375000003
UTM Y: 4509558.9214300001
Expiration Date: N/A
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 14649
Affiliation Type: Facility Owner
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 10990 ROE AVE
Address2: Not reported
City: OVERLAND PARK
State: KS
Zip Code: 66211
Country Code: 001
Phone: (913) 345-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: Mail Contact
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: ENVIRONMENTAL SERVICES
Address1: 10990 ROE AVE
Address2: Not reported
City: OVERLAND PARK
State: KS
Zip Code: 66211
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: On-Site Operator
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: STEVE SHINNERS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: Emergency Contact
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: CARL BEZNOTT
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 014
Tank Id: 48533
Material Code: 9999
Common Name of Substance: Other

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Pipe Model:	Not reported
Install Date:	07/01/1994
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/01/1994
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	017
Tank Id:	48535
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1978
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

NY MANIFEST:

EPA ID:	NYR000165910
Country:	USA
Mailing Name:	460 KINGSLAND AVENUE LLC
Mailing Contact:	STEVE TRIFILETTI
Mailing Address:	460 KINGSLAND AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Mailing Phone: 631-232-2600

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD045995693
Trans2 State ID: MAD084814136
Generator Ship Date: 2009-11-02
Trans1 Recv Date: 2009-11-02
Trans2 Recv Date: 2009-11-06
TSD Site Recv Date: 2009-11-20
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000165910
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: MID048090633
Waste Code: Not reported
Quantity: 454.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 2.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2009
Manifest Tracking Num: 006444509JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 2010-03-26
Trans1 Recv Date: 2010-03-26
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2010-04-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000165910
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 1638.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 9.0

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000346858VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

SPILLS:

Facility ID:	9403747
DER Facility ID:	251993
Facility Type:	ER
Site ID:	312530
DEC Region:	2
Spill Date:	6/16/1994
Spill Number/Closed Date:	9403747 / 12/26/2002
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	6/16/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/22/1994
Spill Record Last Update:	10/3/2003
Spiller Name:	Not reported
Spiller Company:	YELOW FREIGHT LINE
Spiller Address:	460 KINGSLAND AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"SEE EARLY, OPEN SPILL REPORT NO. 9402812.10/10/95: This is additional information about material spilled from the translation of the old spill file: PETRO & HYDRO CARBON.12/26/02, MILLER CLOSED SPILL REPORT 9403747 AND CROSS-REFERENCED IT WITH OPEN, EARLIER SPILL REPORT NO. 9402812.

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Remarks: SPILL PREVIOUSLY REPORTED

Material:

Site ID:	312530
Operable Unit ID:	997426
Operable Unit:	01
Material ID:	383917
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9402812
DER Facility ID:	251993
Facility Type:	ER
Site ID:	312529
DEC Region:	2
Spill Date:	5/19/1994
Spill Number/Closed Date:	9402812 / 3/27/2009
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	5/26/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/22/1994
Spill Record Last Update:	3/31/2009
Spiller Name:	Not reported
Spiller Company:	YELLOW FREIGHT SYSTEM
Spiller Address:	10990 ROE AVENUE
Spiller City,St,Zip:	OVERLAND PARK, KS 662
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL" ALSO SEE LATER, CLOSED SPILL REPORT NO. 9403747.10/10/95: This is additional information about material spilled from the translation of the old spill file: HEAVY FUEL OIL.03/29/04Related to

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Mobil Greenpoint spillTransferred from Miller to Rommel.10/12/04Received call from John Harrison, EcolSciences, Rockaway, NJ, 973-366-9500, representing potential buyer. Plans to FOIA the file. Rommel3/4/05 - Mr. Arthur Max, a consultant representing the current owner called to inquire about what it takes to close out the case. His Number is 201-867-6777. Transfer it to Alex Zhitomirsky. - KST3/31/2005 According to Arthur Max Yellow Freight pulled some tanks in 1994. They found and removed most of the soil contamination. DEC asked to remove more contamination around the perimeter. Woodward Clyde stated that due to the Mobil spill and high background contamination there is no point in removing more soil. Weintraub real estate company was hired by Yellow Freight. Alex Zhitomirsky requested on March 4, 2005, that the responsible party should submit documentation supporting their case to NYSDEC. AZ9/26/2005 Conversation with Arthur Max. They want to buy this property and inquired what should be done in order to close this spill. I responded that site assessment should be performed. Gw wells installed at the property and along the perimetr of the property in order to compare background contamination with the site contamination. AZ1/17/2006 I left a message for Arthur Max. Investigation/delineation is pending. AZ1/18/2006 I contacted Arthur Max (Weintraub, Casey - Realtors 201-876-6777). He informed me that they sold this property in November 2005 to Sagres, LLC 2 Galasso Place, Maspeth, NY 11378 718-456-1800(?)(they are in the same building as Galasso Trucking).I contacted Frank Galasso (partner) at 718-456-1800. He said that I should talk to Phil Galasso (partner)516-965-7766. He will ask him to contact me ASAP. AZ4/3/2006 I contacted Phil Galasso (Reveal New Sag LLC.)516-965-7766. He will file for FOIL and have his consultant contact me. AZ6/13/2006 I left a message for John Urda (DEC Legal)requesting his assistance with this case. AZ6/14/2006 Jon Kolleeny recommended to refer this case to J. Urda. J. Urda recommended to send RP a short form STIP. J. Kolleeny supported this recommendation. A short form STIP was sent to Phil Galasso, Sagres LLC, 2 Galasso Place, Maspeth, NY 11378 AZ6/27/2006 Received a message from Steve Russo (212-421-2150). Left a message for Steve Russo. AZ6/27/2006 Conversation with Steve Russo, attorney for the owner (Reveal New Sag). He works for Sive Paget company(212-421-2150). They will send me report for review. I will get back to them when I review the report. AZ6/28/2006 The report does not contain a map showing the locations of the old excavated tanks (15 USTs). No borings were installed near the old tank field. Fingerprint analyses were not attached. AZ7/27/2006 Left a message for Steve Russo (Sive, Paget & Riesel). AZ 8/2/2006 Conversation with Steve Russo (212-421-2150). I conveyed to him that the report lacks essential information:borings/wells were not installed near the old tank field; there is no map showing the old excavated tanks (15 USTs), fingerprint analyses were not attached to the report. DEC requested new borings/wells installation, mointoring of the new wells and fingerprint analyses of the free phase. He will get back to me with a plan of actin in a week. AZ8/10/06 I sent e-mail to Steven Russo Sive, Paget & Riesel, P.C. at 460 Park Avenue New York, New York 10022(212) 421-2150 confirming the additional items that should be submitted to DEC:1. A sampling plan providing for the installation of groundwater wells and collection of soil samples proximate to the area where the former Yellow Freight USTs were excavated 2. Reflect the former UST location on the map or maps accompanying the supplemental sampling plan 3. Provide results of historic and new

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

fingerprint analysis of petroleum, if any, collected from the newly installed monitoring wells or, if no free product is collected from the wells, from soil samples. AZ1/31/2007 I contacted Steven Russo @ (212) 421-2150 (Sive, Paget & Riesel). Exxon Mobil is preparing an extensive sampling plan for this site which will be submitted within a month. He will send me fingerprint analyses and a map with tank locations. He will forward a sampling plan as soon as it will be available. AZ2/6/2007 Received historical and current fingerprint analyses from Steve Russo. He stated that "we are hoping to finalize access issues with Exxon Mobil in the next week so that a work plan to more fully investigate the site can be submitted shortly." AZ4/13/2007 Received e-mail from Ed Hampston (DER Albany). He received proposed investigation plan (part of investigations associated with the former Mobil Refinery/Terminal from Exxon) and forwarded it to Reg. 2. E. Hampston will likely to request some of their borings go beyond the first impermeable layer they encounter (or nest wells) to see if there is deeper contamination. I reviewed the Exxon proposals and discussed the work plan with Ed. I suggested increasing the number of wells (they initially suggested 3 wells), advancing wells at the locations of the former Yellow Freight tanks, advancing wells near the Exxon plume boundaries, performing fingerprint analyses on all samples, compiling detailed groundwater and soil plume maps. AZ11/1/2007 Reviewed Investigation Report by Roux Associates dated August 2, 2007 and received on August 21, 2007. Nine soil borings and three new shallow aquifer wells wells and three new regional aquifer monitoring wells were completed. SVOC and metals were detected at concentrations greater than the NYSDEC Restricted Commercial Use Criteria in the shallow subsurface beneath the property. with the highest concentrations present in the vicinity of SB-4, SB-7, SB-9. PCBs were also detected at three soil borings with the highest concentrations observed at SB-6. Although petroleum staining was observed throughout the shallow subsurface, only globules of free product were observed at two locations that were associated historic petroleum storage operations. There were no observed visual impacts within the regional aquifer. VOC and SVOCs are present in groundwater above the NYSDEC AWQSGV within the shallow aquifer. PCB were detected in one location within the sallow aquifer at monitoring well KNW-4. Within the regional aquifer, only minor concentrations of petroleum and chlorinated compounds were observed in gw above the guidance level. According to the report, data indicated that the free product plume present within the regional aquifer beneath the Exxon Mobil Brooklyn Terminal to the south of the property does not extend to the north beneath the property. AZ 12-27-2007 Letters to Phil Galasso and Exxon Mobil were sent out by DEC (Ed Hampston - Central Office). The DEC letters required further investigation and remediation of the site. AZ1-9-2008 Meeting with Philip Galasso (Revael New Sag), John Urda, Ed Hapston, Alan Michaels (by phone NYSDEC), Michael Bogin (Steve, Paget), Dan Buget. AZ8-12-2008 The owner is proceeding with the sale of the property. The existing building will be demolished for a "clean fill" recycling operation. As part of the demo, they intend to dig out around the building footprint, and want to know if this will be enough to close the UST spill. I recommended taking the end point samples. Also, a work plan containing a site map with UST locations, hot spots (based on the previous investigations), the excavation area and proposed sampling locations should be submitted to DEC. I conveyed my suggestions to John Urda and Ed Hampston. AZ10-27-2008 I have

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

received an e-mail from Ed Hampston who forwarded a request for spill closure by Leggette, Brashears @ Graham. I e-mailed my response to John Urda and Ed Hampstead. AZ10-29-2008 Conference call with John Urda and Michael Bogin. DEC requested that New Sag investigate and remediate area in front of the building at the locations of the former USTs (diesel, waste oil and heating oil tanks). According to September 19, 1994 closure report, waste oil tank had 3 holes and soil in the USTs area exhibited VOC exceedances. Also, VOC concentrations in the former USTs area exceeded the background concentrations. DEC (Mike Mulqueen 2-27-1995) requested further investigation and remediation. AZ1-8-2008 A conference call with Central office was held (V.Brevdo, J. Urda, Ed Hampston, Alan Michaels, Joseph White). The site was discussed. Central Office will work with Exxon Mobil to address PCB contamination. AZ2/4/2009 A meeting was held among Alex Zhitomirsky, John Urda, Vadim Brevdo, Allan Michaels, Ed Hampston of DEC and Phil Galasso and Michael Bogin representing Mr. Galasso. Phil Galasso and Michael Bogin presented information that appears to support their conviction that PCB contamination and remaining petroleum contamination plums are part of a greater Exxon Mobil plume (Greenpoint plume) and, therefore, should be investigated/remediated by Exxon Mobil. It was decided that Albany (Ed Hempston and Allan Michaels) will call a meeting with Exxon Mobil so the other party can present their case. If information presented by 460 Kingsland owners is confirmed then this spill number will be closed and referred to a main spill number of Greenpoint (Exxon Mobil)spill for further investigation/remediation. AZ3-27-2009 After consultation with V. Brevdo, J. Urda and Ed Hampston this spill number is closed. According to Ed Hampston, all further activities for this site will be tracked under spill #8800244 (this is the spill Central Ofiice has PIN attached). Ed Hampston intends to create a P site for 460 Kingsland. AZ

Remarks: FOUNDATION TEST BARINGS-OIL MAY BE FROM ADJACENT MOBIL REFINERY

Material:

Site ID:	312529
Operable Unit ID:	996611
Operable Unit:	01
Material ID:	567174
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0307959
DER Facility ID:	251993
Facility Type:	ER
Site ID:	107522
DEC Region:	2
Spill Date:	10/28/2003

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Spill Number/Closed Date:	0307959 / 11/13/2003
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	10/28/2003
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/28/2003
Spill Record Last Update:	11/13/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	FDNY DISP 381
Contact Phone:	(718) 965-8300
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"10/28/2003 - ROSSAN, DDO; Called FDNY Disp. 381, who confirmed that clean-up is been done by the Sanitation Dept. using Spedi-dri. and sand. Advised that the NYS-DEP be informed. FDNY called again to cinfirmed that amount of diesel spilled is 200 gallons.Discussed with Michelle, who decided to visit spill site. Ed.10/29/03 Tipple conducted site visit//sand still on roadway//three drums of mostly liquid oil on site//called FDNY, located captain who responded, by the time the FD arrived, the truck responsible for the spill was long gone. Upon interviewing individuals who worked adjacent to the facility the truck was a dark green fuel iol truck, no one interviewed noticed the name of the company. NO RP IDENTIFIED. put drums on drum run.11/13/03 TJDContainers emptied on 11/7/03 as part of R2 drum run. See spill #9930008. Spill closed.
Remarks:	cleanup in progress

Material:

Site ID:	107522
Operable Unit ID:	874334
Operable Unit:	01
Material ID:	501480
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	200
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Tank Test:

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRONX	1010488291	NYSDOT BIN 1066220	GRANT HIGHWAY OVER CROSS BRONX	11101	FINDS, NY MANIFEST
BRONX	1000458300	NYCDEP	TUNNEL #3 ROOSEVELT ISLAND	10468	RCRA NonGen / NLR, FINDS, NY MANIFEST
BROOKLYN	1007207157	CONSOLIDATED EDISON	VS2299-47TH & 43RD	11201	RCRA NonGen / NLR, NY MANIFEST
LONG ISLAND CITY	1004758973	NYCDOT	39TH STREET BRIDGE(SUNNY SIDE)	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1007208435	CONSOLIDATED EDISON	TM 632 40 AVE & CRESECNT ST		RCRA NonGen / NLR, NY MANIFEST
LONG ISLAND CITY	1004758556	NYSDOT	CLEARVIEW EXP #14	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1004758555	NYSDOT	CLEARVIEW EXPWAY #13	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1007112483	MTA EXISTING RAIL YARD	QUEENS ST - DEAD END	11101	RCRA NonGen / NLR
LONG ISLAND CITY	1007208408	CONSOLIDATED EDISON	TM6766-JACKSON AVE & CRDANE ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206732	CONSOLIDATED EDISON	7598 - 21ST & 43 AVE		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206606	CONSOLIDATED EDISON	V 4551 - 44 AVE & 22 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206690	CONSOLIDATED EDISON	VS 7533 - 43 AVE & 38 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206568	CONSOLIDATED EDISON	V 8013 - 33RD & CRESCENT ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206626	CONSOLIDATED EDISON	VS 8487 - QUEENS BLVD & 38 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206681	CONSOLIDATED EDISON	V 9093 - 36 ST & QUEENS BLVD	11357	RCRA NonGen / NLR, NY MANIFEST
QUEENS	1004755718	NYCDOT BRIDGES BIN 2247260	JACKSON AVE BRIDGE OVER	11101	RCRA NonGen / NLR, FINDS
QUEENS	1006810334	CON ED	11 ST QUEENS PLAZA SOUTH		RCRA-CESQG, NY MANIFEST
QUEENS	1001489235	NYCTA	QUEENSBORO PLAZA		RCRA-CESQG, FINDS, NY MANIFEST
QUEENS	1007206689	CONSOLIDATED EDISON	V3601-34TH ST & 43RD AVE	11428	RCRA NonGen / NLR, NY MANIFEST
QUEENS COUNTY	S112209750	CONSOLIDATED EDISON CO #3000	ROUTE 133 AND STONE		NY MANIFEST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

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

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/26/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 94
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2014
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 7
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 10/22/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/20/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 22

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 11/08/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

SPILLS: Spills Information Database

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

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/26/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 143

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/26/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/27/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/21/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 67

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/12/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 10/17/2013
Date Data Arrived at EDR: 10/17/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 54

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/10/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 09/17/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 43

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16
Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 10/15/2013
Date Data Arrived at EDR: 10/16/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 29
Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36
Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/19/2013
Date Data Arrived at EDR: 09/20/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/19/2013
Date Data Arrived at EDR: 09/20/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 09/10/2013
Date Made Active in Reports: 11/25/2013
Number of Days to Update: 76

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 09/10/2013
Date Made Active in Reports: 11/25/2013
Number of Days to Update: 76

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 62

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 62

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 08/14/2013
Date Made Active in Reports: 09/20/2013
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

27-21 44TH DRIVE AND 44-18 PURVES STREET
44-18 PURVES STREET
LONG ISLAND CITY, NY 11101

TARGET PROPERTY COORDINATES

Latitude (North):	40.7467 - 40˚ 44' 48.12''
Longitude (West):	73.9415 - 73˚ 56' 29.40''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589364.6
UTM Y (Meters):	4510966.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

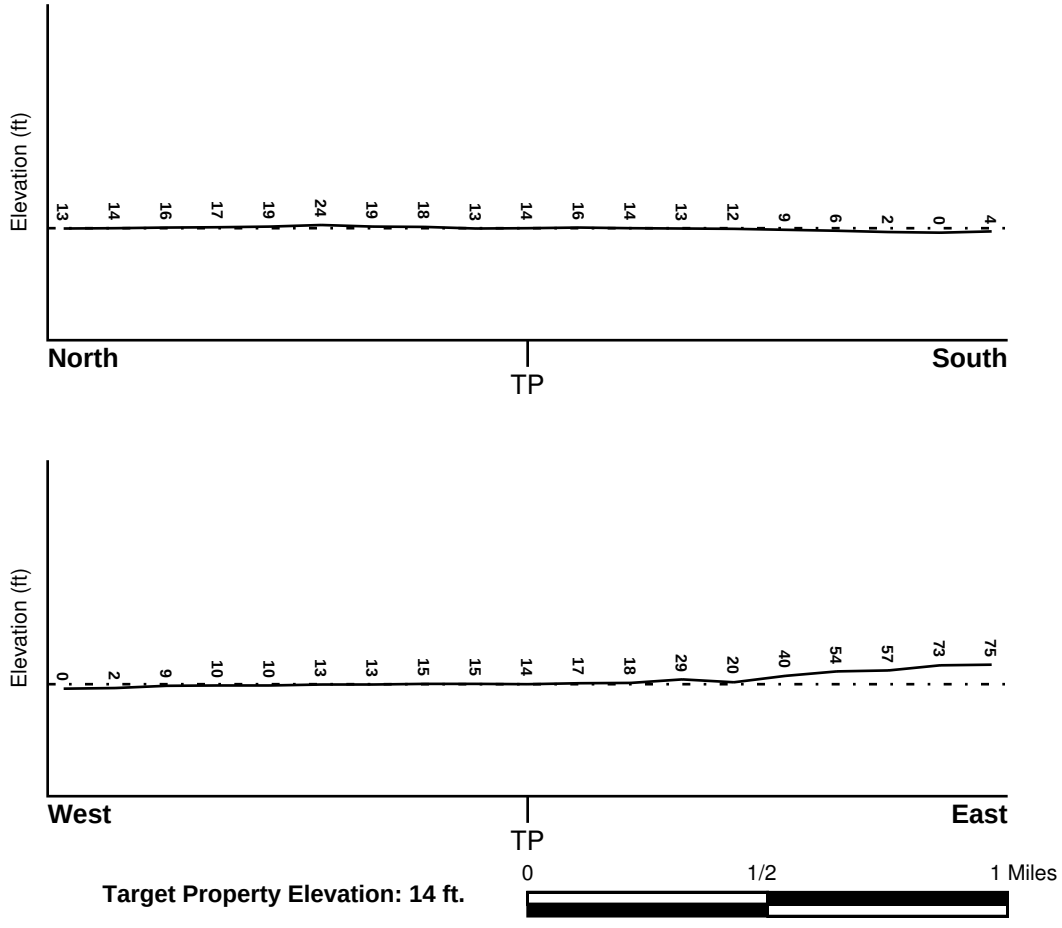
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 14 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
QUEENS, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 360497 - FEMA DFIRM Flood data

Additional Panels in search area:
- 3604970032B - FEMA Q3 Flood data
- 3604970040B - FEMA Q3 Flood data
- 3604970039B - FEMA Q3 Flood data
- 3604970048B - FEMA Q3 Flood data
- 3604970047B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Ordovician
Code:	Oe *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000831273	0 - 1/8 Mile WSW
2	USGS40000831198	1/8 - 1/4 Mile ESE
3	USGS40000831141	1/4 - 1/2 Mile SW
4	USGS40000831282	1/4 - 1/2 Mile West
5	USGS40000831481	1/4 - 1/2 Mile NNW
6	USGS40000831487	1/4 - 1/2 Mile NNE
7	USGS40000831118	1/4 - 1/2 Mile SE
8	USGS40000831434	1/4 - 1/2 Mile ENE
9	USGS40000831211	1/4 - 1/2 Mile ESE
A10	USGS40000830996	1/4 - 1/2 Mile SSE
A11	USGS40000830959	1/2 - 1 Mile SSE
12	USGS40000831006	1/2 - 1 Mile SW
13	USGS40000831119	1/2 - 1 Mile WSW
14	USGS40000831512	1/2 - 1 Mile NE
15	USGS40000831012	1/2 - 1 Mile SE
16	USGS40000831272	1/2 - 1 Mile East
17	USGS40000831480	1/2 - 1 Mile ENE
18	USGS40000831691	1/2 - 1 Mile North
19	USGS40000830940	1/2 - 1 Mile SW
20	USGS40000831488	1/2 - 1 Mile WNW
21	USGS40000831511	1/2 - 1 Mile NE
22	USGS40000831605	1/2 - 1 Mile NE
23	USGS40000831744	1/2 - 1 Mile North
24	USGS40000831177	1/2 - 1 Mile West
25	USGS40000831755	1/2 - 1 Mile NNE
26	USGS40000830700	1/2 - 1 Mile SSW
B27	USGS40000831271	1/2 - 1 Mile East
B28	USGS40000831231	1/2 - 1 Mile East
29	USGS40000831669	1/2 - 1 Mile NE
C30	USGS40000831319	1/2 - 1 Mile East
31	USGS40000831796	1/2 - 1 Mile NNW
32	USGS40000831165	1/2 - 1 Mile ESE
33	USGS40000831093	1/2 - 1 Mile ESE
C34	USGS40000831350	1/2 - 1 Mile East
35	USGS40000830776	1/2 - 1 Mile SW
36	USGS40000830981	1/2 - 1 Mile ESE
37	USGS40000831048	1/2 - 1 Mile WSW
38	USGS40000831882	1/2 - 1 Mile North
39	USGS40000830559	1/2 - 1 Mile South
40	USGS40000831496	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

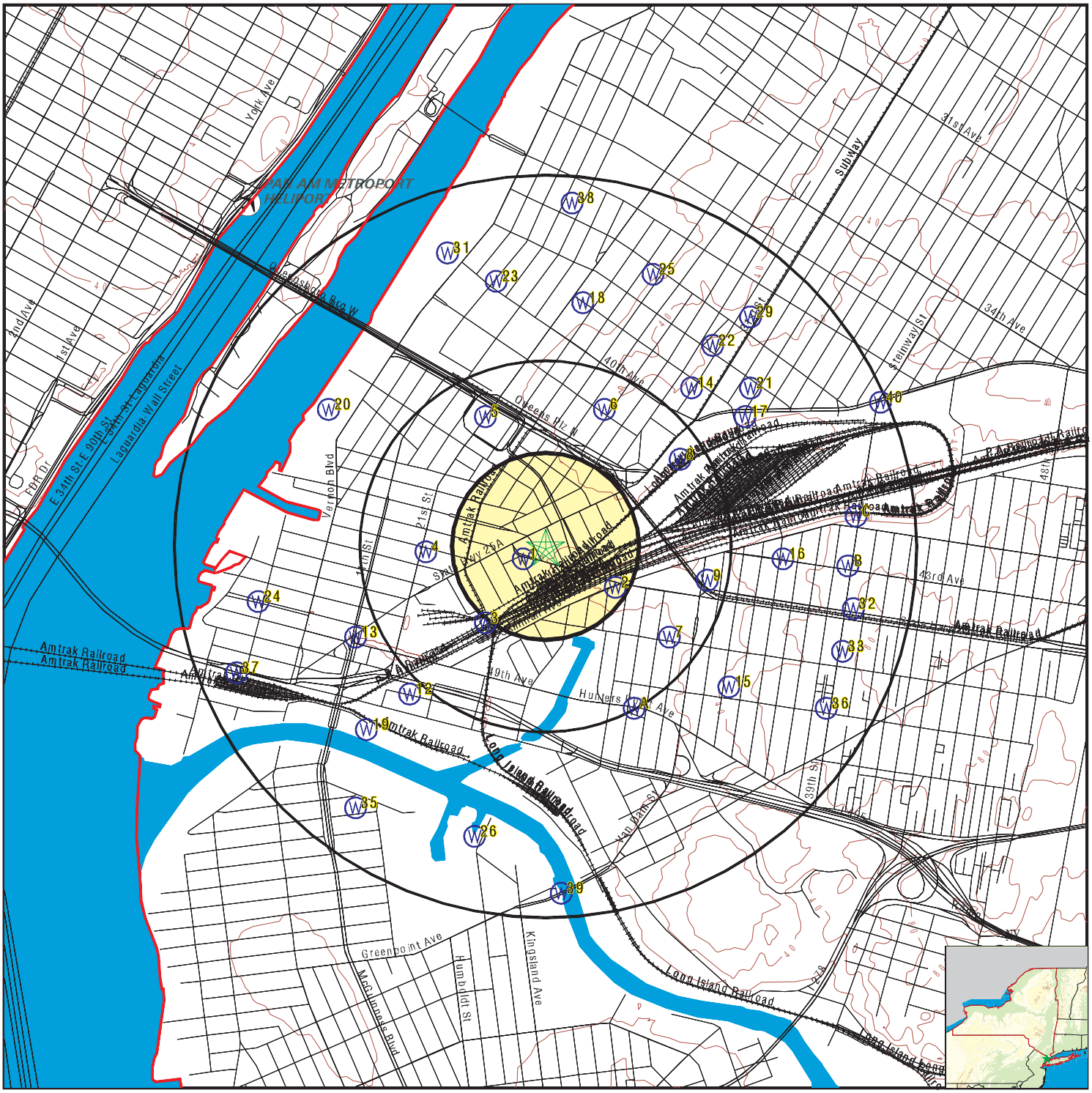
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3798265.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	27-21 44th Drive and 44-18 Purves Street	CLIENT:	Langan Engineering, Inc.
ADDRESS:	44-18 Purves Street Long Island City NY 11101	CONTACT:	Jessica Alzamora
LAT/LONG:	40.7467 / 73.9415	INQUIRY #:	3798265.2s
		DATE:	December 02, 2013 10:59 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
WSW **FED USGS** **USGS40000831273**
0 - 1/8 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073563501		
Monloc name:	Q 1738. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9426378	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	146
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
ESE **FED USGS** **USGS40000831198**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404442073561801		
Monloc name:	Q 171. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7451019
Longitude:	-73.9379154	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	46.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3
SW **FED USGS** **USGS40000831141**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404437073564201		
Monloc name:	Q 398. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.743713
Longitude:	-73.9445823	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	67
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
West **FED USGS** **USGS40000831282**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404447073565301		
Monloc name:	Q 399. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7464907
Longitude:	-73.9476379	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	68
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5
NNW **FED USGS** **USGS40000831481**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404506073564201		
Monloc name:	Q 962. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7517684
Longitude:	-73.9445823	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

6
NNE **FED USGS** **USGS40000831487**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404507073552001		
Monloc name:	Q 2721. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7520462
Longitude:	-73.938471	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	300
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

7
SE **FED USGS** **USGS40000831118**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404435073560801		
Monloc name:	Q 1632. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7431575
Longitude:	-73.9351376	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	18.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

8
ENE **FED USGS** **USGS40000831434**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404500073560601		
Monloc name:	Q 2445. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7501018
Longitude:	-73.934582	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	26.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	110
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

9
ESE **FED USGS** **USGS40000831211**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404443073560101		
Monloc name:	Q 2333. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7453797
Longitude:	-73.9331931	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	37
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A10
SSE **FED USGS** **USGS40000830996**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404426073561401		
Monloc name:	Q 1502. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7406576
Longitude:	-73.9368043	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	93
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A11
SSE **FED USGS** **USGS40000830959**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404424073561501		
Monloc name:	Q 1638. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.740102
Longitude:	-73.9370821	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	73
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

12
SW **FED USGS** **USGS40000831006**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404427073565601		
Monloc name:	Q 17. 1		
Monloc type:	Well		
Monloc desc:	5601		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7409353
Longitude:	-73.9484713	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	175
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

13
WSW **FED USGS** **USGS40000831119**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404435073570601		
Monloc name:	Q 423. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7431575
Longitude:	-73.9512492	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	69
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

14
NE **FED USGS** **USGS40000831512**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404510073560402		
Monloc name:	Q 3122. 2		
Monloc type:	Well		
Monloc desc:	LAT/LONG UPDATES FROM SIM 3066		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7528889
Longitude:	-73.934	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	43
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

Aquifer type:	Unconfined single aquifer		
Construction date:	20000614	Welldepth:	55
Welldepth units:	ft	Wellholedepth:	55
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 54

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-23		14.42	2004-12-17		14.55
2004-11-17		14.54	2004-10-26		14.52
2004-09-22		14.49	2004-08-24		14.35
2004-07-22		14.13	2004-06-23		14.03
2004-05-25		14.13	2004-04-29		14.10
2004-03-17		14.12	2004-02-25		14.21
2003-12-29		14.24	2003-11-26		14.13
2003-10-30		14.14	2003-09-26		14.23
2003-08-28		14.26	2003-07-30		14.13
2003-06-26		14.16	2003-05-28		13.85
2003-04-24		13.78	2003-03-19		13.57
2003-02-26		13.54	2003-01-30		13.38
2002-12-23		13.35	2002-11-22		13.32
2002-10-23		13.10	2002-09-24		12.84
2002-08-28		12.70	2002-07-18		12.76
2002-06-26		12.80	2002-05-30		12.78
2002-04-26		12.72	2002-03-19		12.90
2002-02-26		13.05	2002-01-29		13.20
2001-12-27		13.45	2001-11-20		13.83
2001-10-23		14.58	2001-09-25		15.36
2001-08-22		15.17	2001-07-25		15.02
2001-06-27		15.06	2001-05-23		14.75
2001-04-24		14.44	2001-03-19		14.03
2001-02-26		13.78	2001-01-31		13.48
2000-12-20		12.91	2000-11-29		12.89
2000-10-24		13.00	2000-09-27		12.86
2000-08-28		12.82	2000-07-24		12.56

15
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000831012**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404428073555701		
Monloc name:	Q 122. 1		
Monloc type:	Well		
Monloc desc:	5701		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7412131
Longitude:	-73.9320819	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	125
Welldepth units:	ft	Wellholedepth:	140
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

16
East **FED USGS** **USGS40000831272**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073554701		
Monloc name:	Q 1258. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9293041	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

17
ENE **FED USGS** **USGS40000831480**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404506073555401		
Monloc name:	Q 13. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7517685
Longitude:	-73.9312486	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	24.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	89
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

18
North **FED USGS** **USGS40000831691**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404522073562401		
Monloc name:	Q 1221. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7562128
Longitude:	-73.9395821	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	178
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

19
SW **FED USGS** **USGS40000830940**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404422073570401		
Monloc name:	Q 395. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7395464
Longitude:	-73.9506936	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	74
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

20
WNW **FED USGS** **USGS40000831488**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404507073571101		
Monloc name:	Q 161. 1		
Monloc type:	Well		
Monloc desc:	1101		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7520462
Longitude:	-73.9526381	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	228
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NE **FED USGS** **USGS40000831511**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404510073555301		
Monloc name:	Q 1635. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7528796
Longitude:	-73.9309708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	40
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
NE **FED USGS** **USGS40000831605**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404516073560001		
Monloc name:	Q 1912. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7545462
Longitude:	-73.9329153	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	400
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

23
North **FED USGS** **USGS40000831744**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404525073564001		
Monloc name:	Q 1272. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7570461
Longitude:	-73.9440267	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

24
West **FED USGS** **USGS40000831177**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404440073572401		
Monloc name:	Q 966. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7445463
Longitude:	-73.9562493	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	8.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

25
NNE **FED USGS** **USGS40000831755**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404526073561101		
Monloc name:	Q 95. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7573239
Longitude:	-73.9359709	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	92
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

26
SSW **FED USGS** **USGS40000830700**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404407073564401		
Monloc name:	K 692. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7353799
Longitude:	-73.9451379	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	88
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B27
East **FED USGS** **USGS40000831271**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073553501		
Monloc name:	Q 453. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9259706	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	68.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	147
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B28
East **FED USGS** **USGS40000831231**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404444073553501		
Monloc name:	Q 425. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7456575
Longitude:	-73.9259706	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	75.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	159
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

29
NE **FED USGS** **USGS40000831669**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404520073555301		
Monloc name:	Q 1246. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7556573
Longitude:	-73.9309708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	220
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C30
East **FED USGS** **USGS40000831319**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404451073553401		
Monloc name:	Q 386. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7476019
Longitude:	-73.9256929	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	75.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	222
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

31
NNW **FED USGS** **USGS40000831796**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404529073564901		
Monloc name:	Q 165. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7581572
Longitude:	-73.9465268	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	205
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

32
ESE **FED USGS** **USGS40000831165**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404439073553401		
Monloc name:	Q 1098. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7442686
Longitude:	-73.9256929	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	72.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

33
ESE **FED USGS** **USGS40000831093**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404433073553601		
Monloc name:	Q 388. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.742602
Longitude:	-73.9262484	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	70.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	203
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C34
East **FED USGS** **USGS40000831350**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404453073553301		
Monloc name:	Q 602. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7481574
Longitude:	-73.9254151	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	159
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

35
SW **FED USGS** **USGS40000830776**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404411073570601		
Monloc name:	K 465. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7364909
Longitude:	-73.9512491	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	400
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

36
ESE **FED USGS** **USGS40000830981**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404425073553901		
Monloc name:	Q 387. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7403798
Longitude:	-73.9270818	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	64.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	176
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

37
WSW **FED USGS** **USGS40000831048**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404430073572801		
Monloc name:	Q 422. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7417686
Longitude:	-73.9573604	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	66
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

38
North **FED USGS** **USGS40000831882**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404536073562601		
Monloc name:	Q 954. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7601016
Longitude:	-73.9401377	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	12.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	301
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

39
South **FED USGS** **USGS40000830559**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404359073562801		
Monloc name:	K 711. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7331577
Longitude:	-73.9406933	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	74
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

40
ENE **FED USGS** **USGS40000831496**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404508073552901		
Monloc name:	Q 389. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.752324
Longitude:	-73.9243039	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	84
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E- FREEDOM OF INFORMATION ACT REQUESTS

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Excellence
Practical Experience
Client Responsiveness

December 3, 2013

New York State Department of Health
Attn: Record Access Officer
Corning Tower, Room 2348
Albany, NY 12237

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above property, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject property includes 27-19 through 27-27 44th Drive (Block 268, Lot 4), and 44-18 through 44-22 Purves Drive (Block 268 Lots 22 and 23) in Long Island City, New York and is bounded by 27-19 44th Drive and 44-12 through 44-16 Purves Street (Block 268, Lot 8) to the north, Purves Street to the east, 44th Drive to the west, and 27-33 44th Drive (Block 268, Lot 1) and 44-24 through 44-28 Purves Street (Block 268, Lots 24 and 25) to the south.

Please contact me at 212-479-5487 with any questions or send your response to my attention at jalzamora@langan.com or at the below address:

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

December 3, 2013

Rene Bryant
New York City Department of Health
125 Worth Street
Box 31C
New York, NY 10013

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Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Excellence
Practical Experience
Client Responsiveness

December 3, 2013

Attn: Records Access Officer
New York City Department of Environmental Protection
Bureau of Legal Affairs
59-17 Junction Boulevard, 19th Floor
Corona, New York 11368

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

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Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

December 3, 2013

Fire Department, City of New York
Bureau of Revenue Management
9 MetroTech East
Brooklyn, New York 11201-3857

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

Request Confirmation

Request Information

Tracking Number : *EPA-R2-2014-001566*

Requester Name : Mrs. Jessica Alzamora

Date Submitted : 12/03/2013

Request Status : Submitted

Description :

The subject property includes 27-19 through 27-27 44th Drive (Block 268, Lot 4), and 44-18 through 44-22 Purves Drive (Block 268 Lots 22 and 23) in Long Island City, New York and is bounded by 27-19 44th Drive and 44-12 through 44-16 Purves Street (Block 268, Lot 8) to the north, Purves Street to the east, 44th Drive to the west, and 27-33 44th Drive (Block 268, Lot 1) and 44-24 through 44-28 Purves Street (Block 268, Lots 24 and 25) to the south.

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APPENDIX F- NEW YORK CITY DEPARTMENT OF BUILDING RECORDS

THE CITY OF NEW YORK

BUREAU OF BUILDINGS

BOROUGH OF QUEENS

No. 19225

CERTIFICATE OF OCCUPANCY

ISSUED 8/20/25 192 TO Nelson Bros of

PREMISES Nott Ave E.O. 59 & Thomson Ave

in accordance with Chapter 503, Laws of 1916 and Section 5, Art. 1, Chapter 5 of the Code of Ordinances, City of New York.

THIS CERTIFIES that the NEW BUILDING situated on the above mentioned premises has been completed and conforms substantially to the approved plans and specifications, and to the requirements of all Laws, Ordinances and Rules and Regulations of the Board of Standards and Appeals applicable thereto, and permission is hereby granted for its occupancy for the purpose specified below:

Stories	Classification	Construction
1	Garage & Factory	Brick

Floors	Occupancy	Live Load Per Sq. Ft. in Pounds	Number of Persons
Cellar			
Basement			
1st Floor	Garage & Factory		
2nd Floor			
3rd Floor			
4th Floor			
5th Floor			
6th Floor			

B. Application 16978/24 192

John Murray
Superintendent of Buildings
Borough of Queens

CERTIFICATE OF CONFORMITY

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

44-18 PURVIS STREET — **QUEENS 11101** — **BIN# 4003510**

PURVES STREET 44-18 - 44-18

Health Area	: 720	**Tax Block**	: 268
Census Tract	: 19	**Tax Lot**	: 22
Community Board	: 402	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	JACKSON AVENUE, DEAD END		
DOB Special Place Name:			
DOB Building Remarks:	NEW ADDRESS 28-23 THOMSON AVE. LTS. MERGE		
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: LIC - LONG ISLAND CITY MIXED USE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	2	0
Violations-ECB (DOB)	0	0
Jobs/Filings	1	
ARA / LAA Jobs	1	
Total Jobs	2	
Actions	28	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

27-21 44 DRIVE — **QUEENS 11101** — **BIN# 4003505**

44 DRIVE 27-21 - 27-21

Health Area	: 720	**Tax Block**	: 268
Census Tract	: 19	**Tax Lot**	: 4
Community Board	: 402	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	JACKSON AVENUE, THOMSON AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: LIC - LONG ISLAND CITY MIXED USE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: G2-GARAGE/GAS STAT'N

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	2	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	21	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX G- NEW YORK CITY PLANNING COMMISSION ZONNING MAP

ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an **R**, **C** or **M** District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

Effective Date(s) of Rezoning:

05-08-2013 C 130076 ZMM

Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas on this map, see APPENDIX F.

CITY MAP CHANGE(S):

▲ 10-12-2013 C 130007 MMM

MAP KEY

8c	9a	9c
8d	**9b**	9d
12c	13a	13c

N

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ZONING MAP **9b**

600 0 600 1200 1800 FEET

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: **www.nyc.gov/planning** or contact the Zoning Information Desk at (212) 720-3291.

APPENDIX H- AERIAL PHOTOGRAPHS

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.5
December 02, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography December 02, 2013

Target Property:

44-18 Purves Street

Long Island City, NY 11101

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1924	EDR
1941	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1941	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1984	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1994	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/DOQQ - acquisition dates: March 13, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2011	EDR

INQUIRY #: 3798265.5
YEAR: 1924
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1941
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1954
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1966
= 500'
N
EDR Environmental Data Resources Inc

4-1-75
INQUIRY #: 3798265.5
YEAR: 1975
= 500'
N

INQUIRY #: 3798265.5
YEAR: 1984
= 500'
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INQUIRY #: 3798265.5
YEAR: 1994
= 500'
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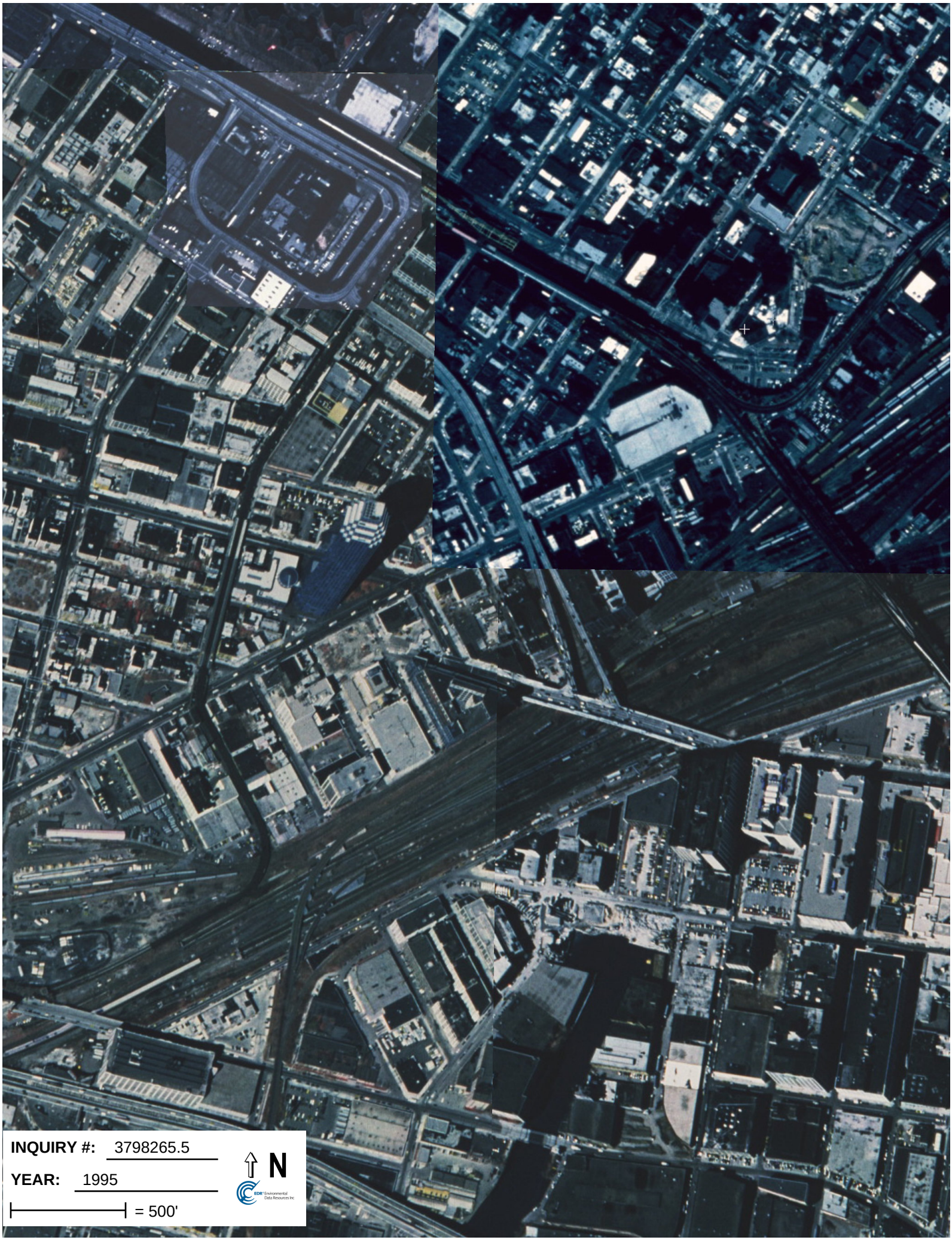
EDR Environmental Data Resources Inc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YEAR: 2006

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INQUIRY #: 3798265.5

YEAR: 2008

= 500'

N

EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 2009
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 2011
= 500'
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EDR Environmental Data Resources Inc

APPENDIX I- SANBORN FIRE INSURANCE MAPS

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.3
December 02, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/13

Site Name:
27-21 44th Drive and 44-18
44-18 Purves Street
Long Island City, NY 11101

Client Name:
Langan Engineering, Inc.
360 W. 31st Street
New York, NY 10001

EDR Inquiry # 3798265.3

Contact: Jessica Alzamora

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Langan Engineering, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 27-21 44th Drive and 44-18 Purves Street
Address: 44-18 Purves Street
City, State, Zip: Long Island City, NY 11101
Cross Street:
P.O. # 170281401
Project: 27-21 44th Drive
Certification # D3A8-4CA6-9D89

Maps Provided:

2006	1999	1991	1980	1936
2005	1996	1990	1979	1915
2004	1995	1989	1977	1898
2003	1994	1988	1970	
2002	1993	1986	1950	
2001	1992	1985	1947	

Sanborn® Library search results
Certification # D3A8-4CA6-9D89

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2006 Source Sheets

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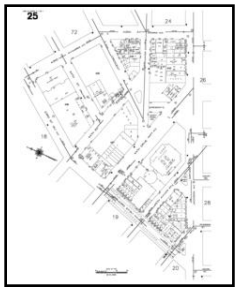

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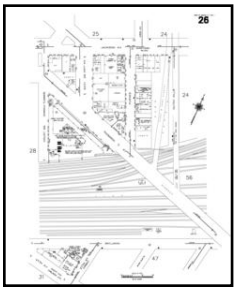

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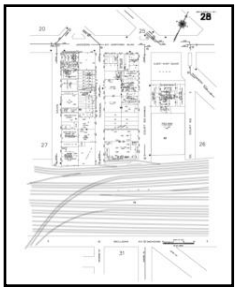

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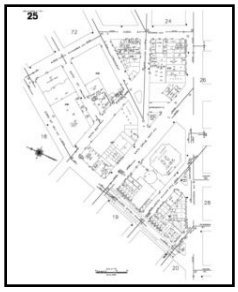

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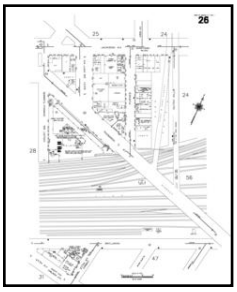

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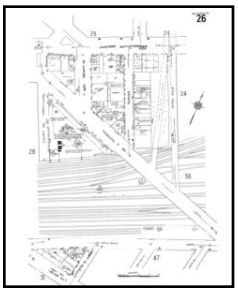

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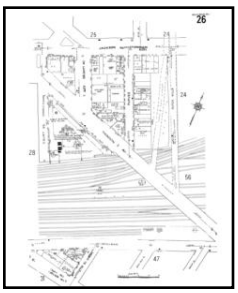

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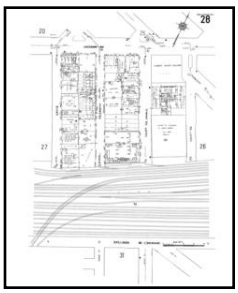

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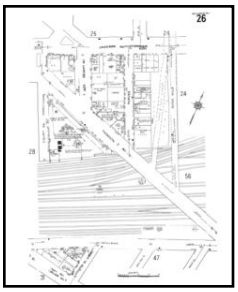

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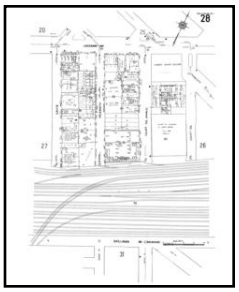

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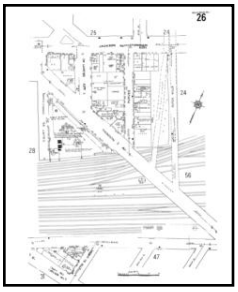

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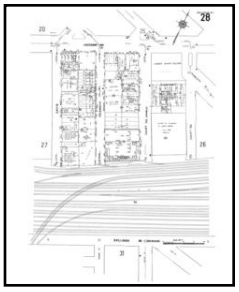

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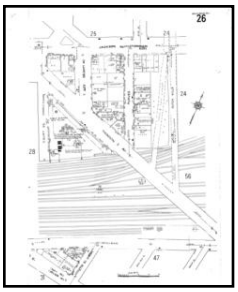

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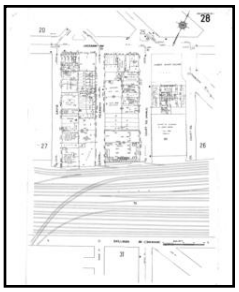

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1994 Source Sheets

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1993 Source Sheets

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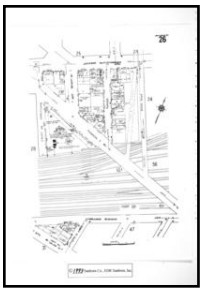

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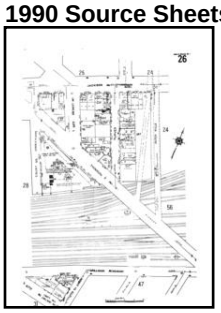

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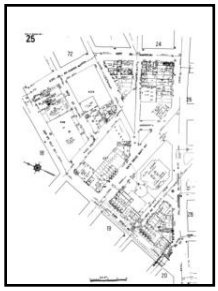

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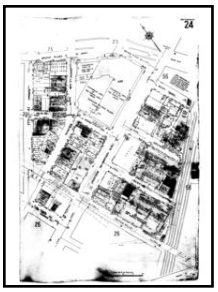

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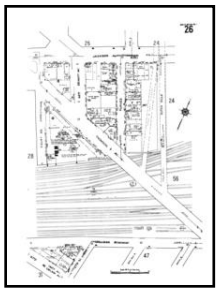

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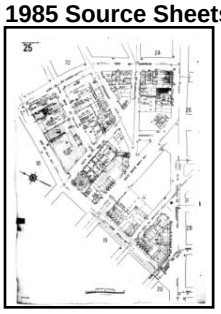

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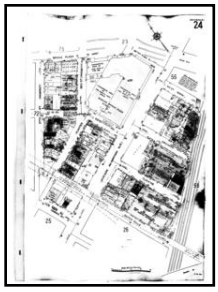

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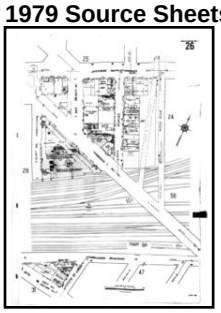

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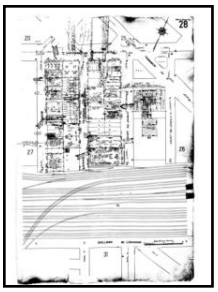

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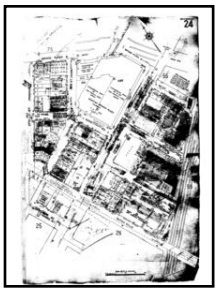

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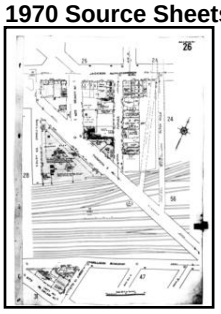
1970 Source Sheets



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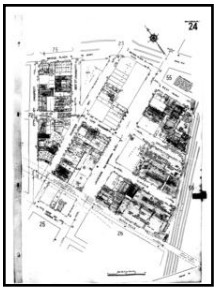

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1950 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

Volume 1, Sheet 26

1947 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

Volume 1, Sheet 26

1936 Source Sheets

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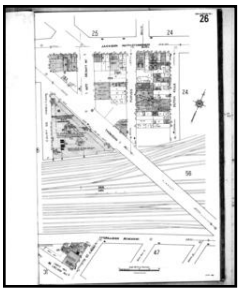

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1915 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

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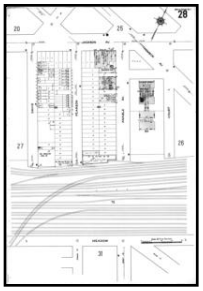

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1898 Source Sheets

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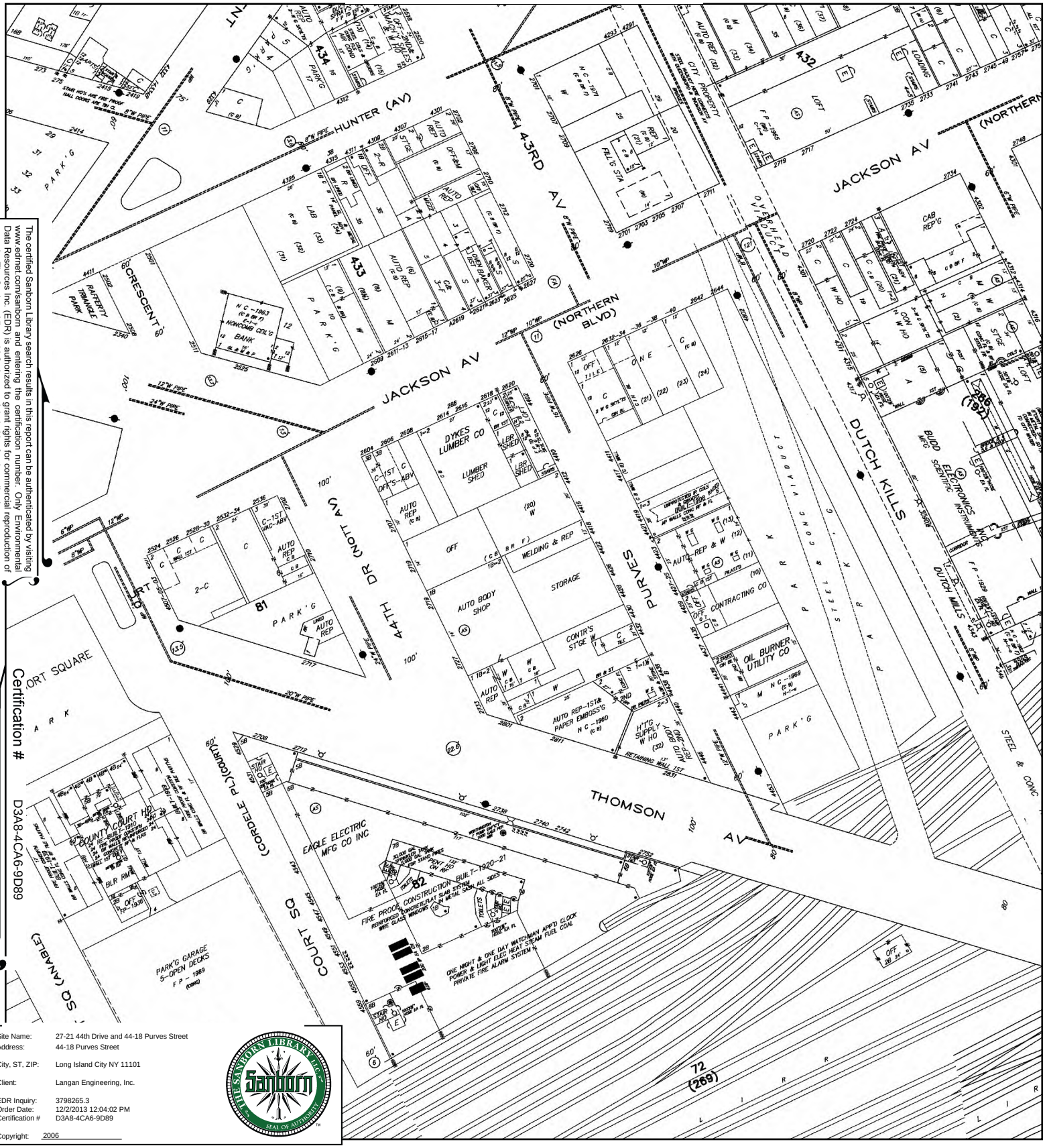
2006 Certified Sanborn Map



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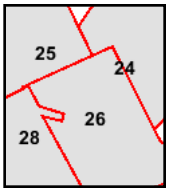

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0 Feet 150 300 600

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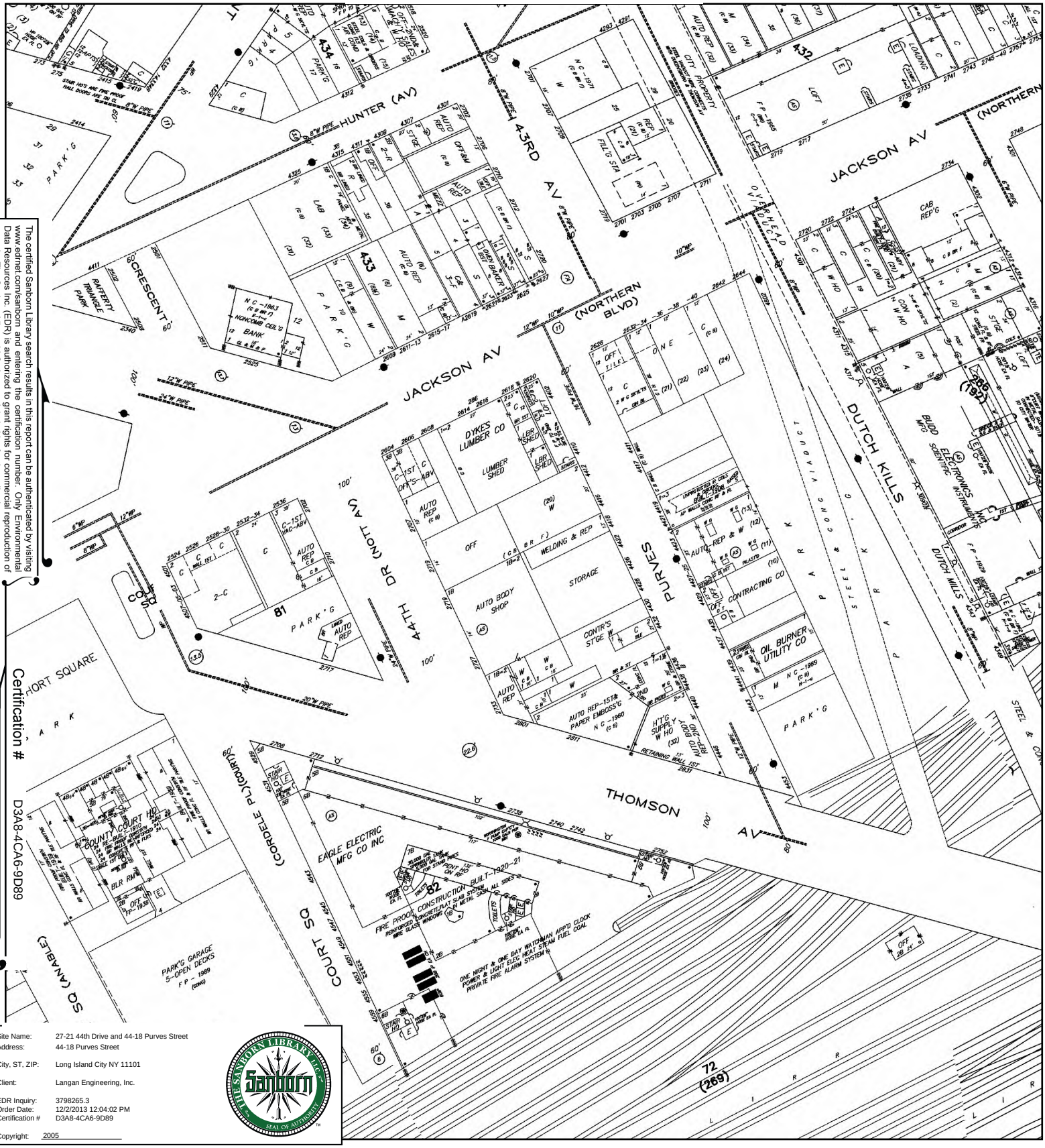
2005 Certified Sanborn Map



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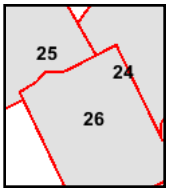

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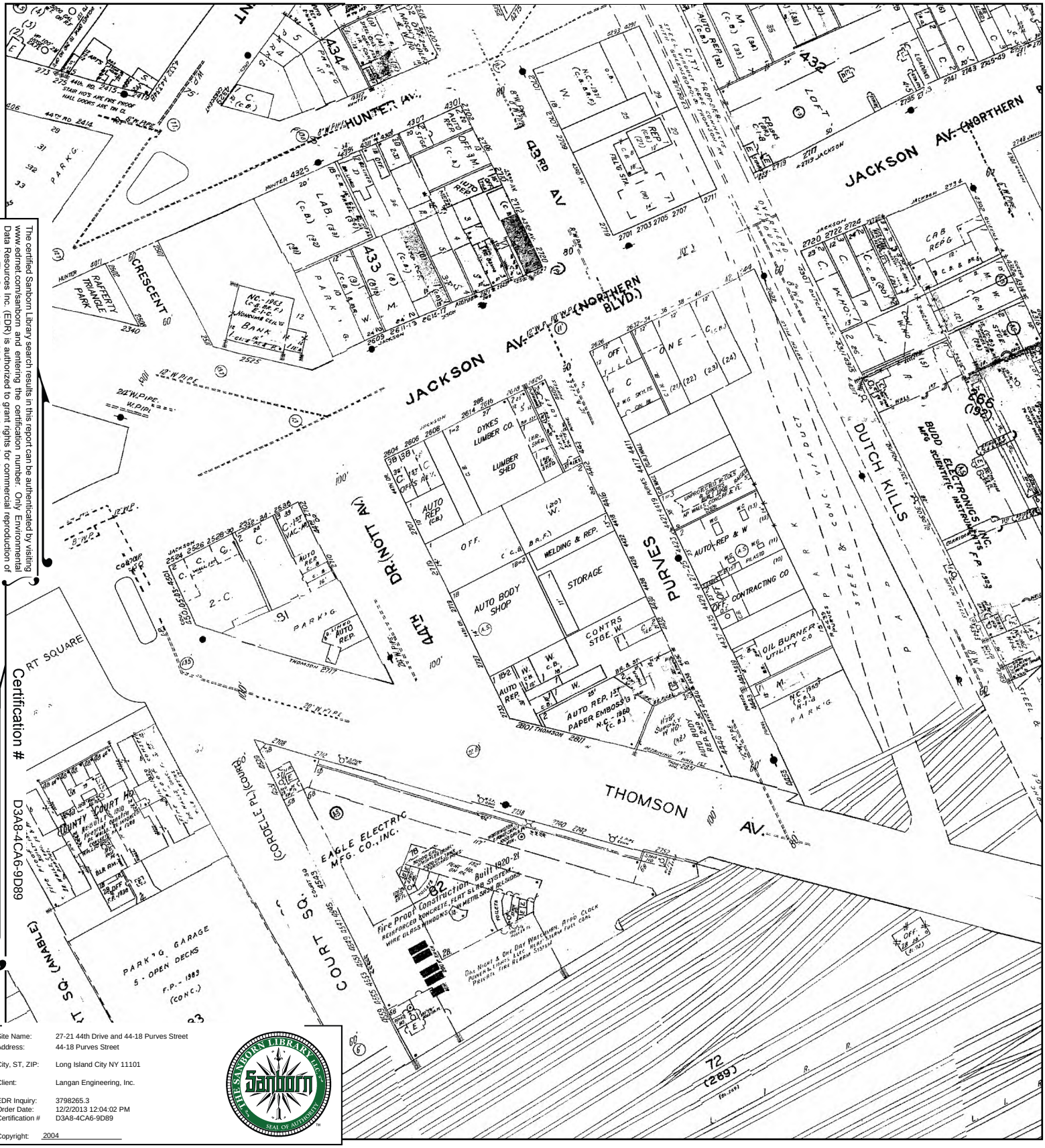
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JACKSON AV. (NORTHERN BLVD.)
HUNTER AV.
CRESCENT
RAFFERTY TRIANGLE PARK
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DRAKE
DRAKE
DRAKE

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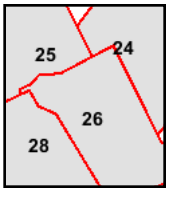

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0 Feet 150 300 600

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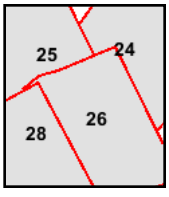

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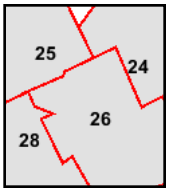

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0 Feet 150 300 600

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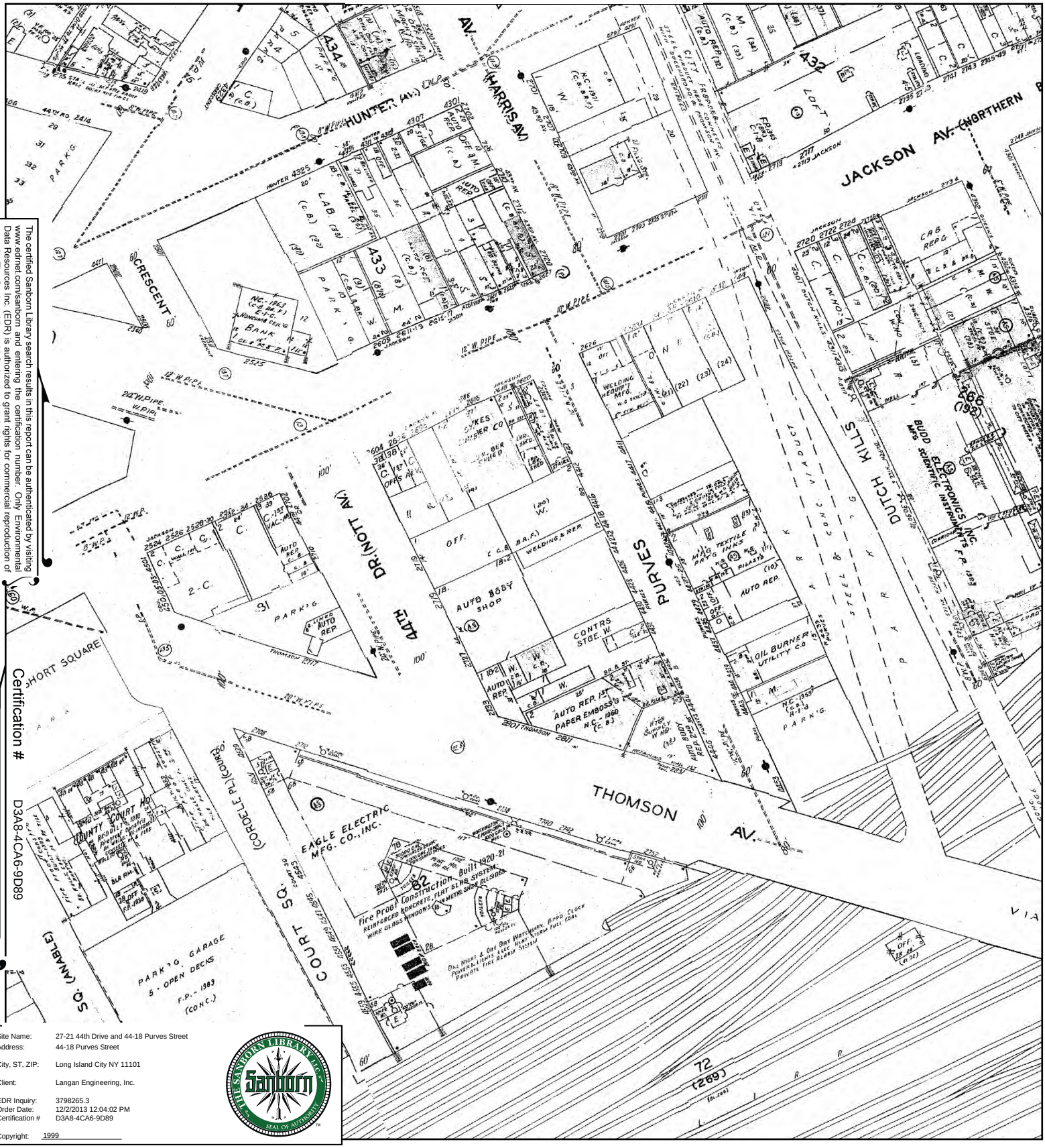
1999 Certified Sanborn Map



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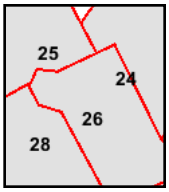

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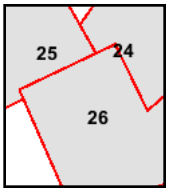

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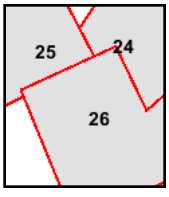

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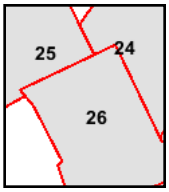

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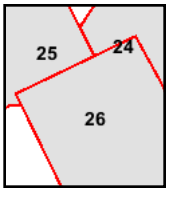

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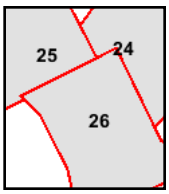

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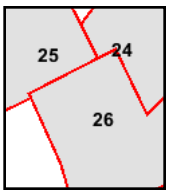

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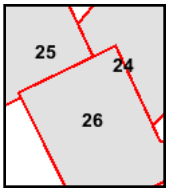

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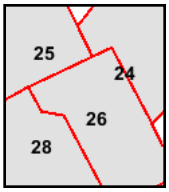

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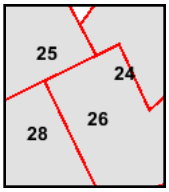

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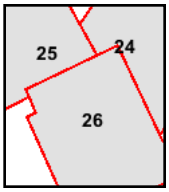

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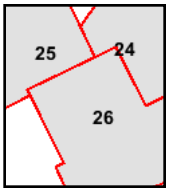

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0 Feet 150 300 600

N

1979 Certified Sanborn Map

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1979

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Outlined areas indicate map sheets within the collection.

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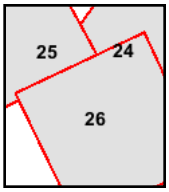

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Volume 1, Sheet 25
Volume 1, Sheet 24

N

1977 Certified Sanborn Map

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1977

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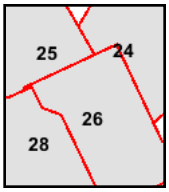

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0 Feet 150 300 600

N

1970 Certified Sanborn Map

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1970

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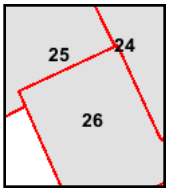

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0 Feet 150 300 600

N

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1950

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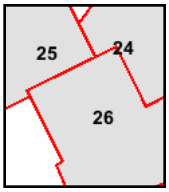

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0 Feet 150 300 600

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1947 Certified Sanborn Map

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1947

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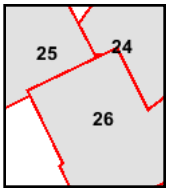

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Volume 1, Sheet 26

0 Feet 150 300 600

N

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1936

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

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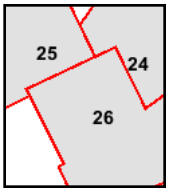

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N

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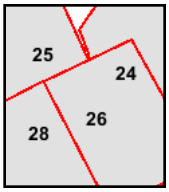
Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1915

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 24
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Volume 1, Sheet 26
Volume 1, Sheet 28

0 Feet 150 300 600

N

1898 Certified Sanborn Map

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1898

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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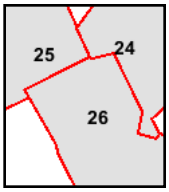

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Volume 1, Sheet 26

N

APPENDIX J- HISTORICAL USGS TOPOGRAPHIC QUADRANGLE MAPS SUMMARY

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.4
December 02, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

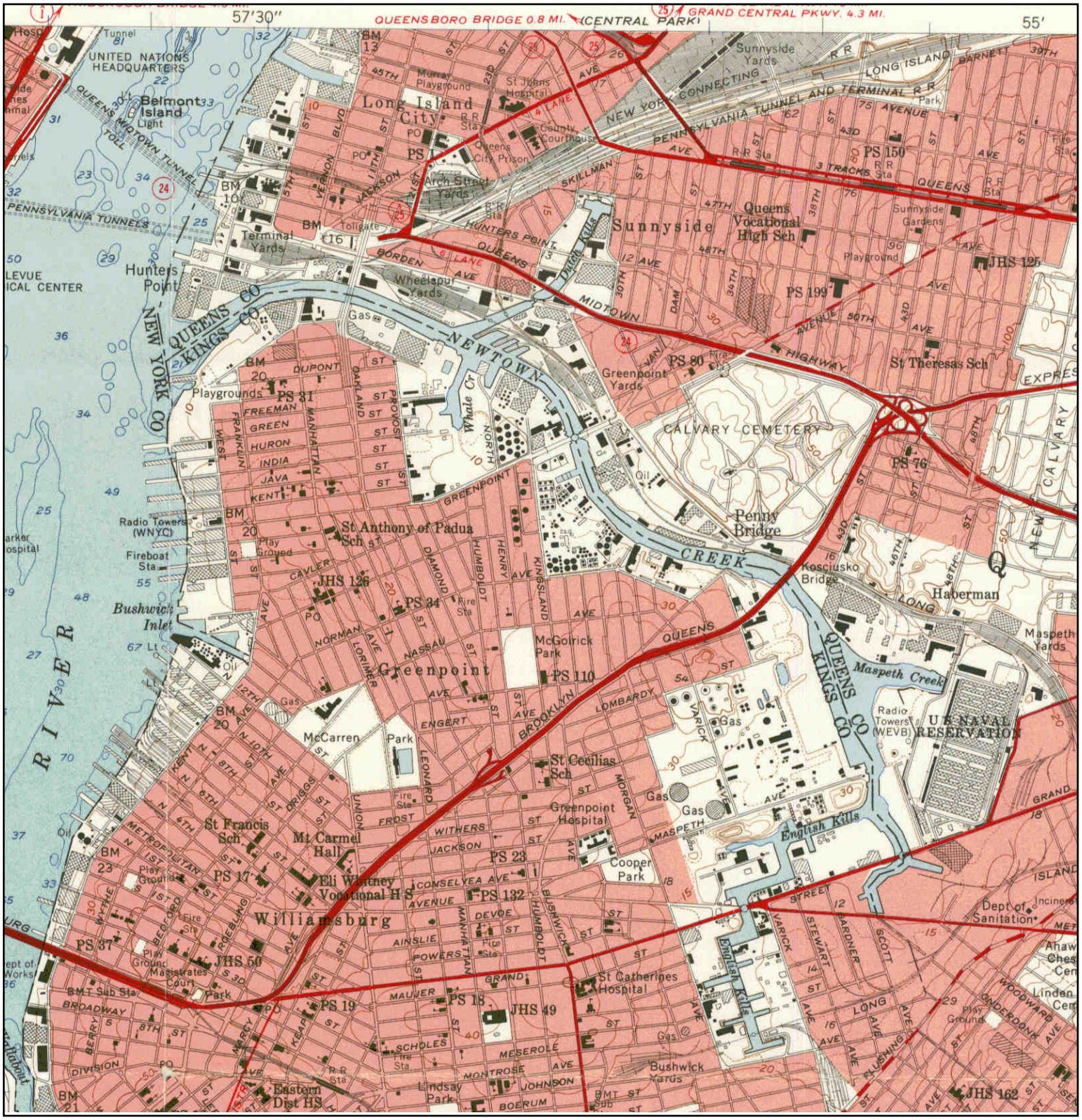
Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1924 REVISED FROM :1900 SERIES: 15 SCALE: 1:62500	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map

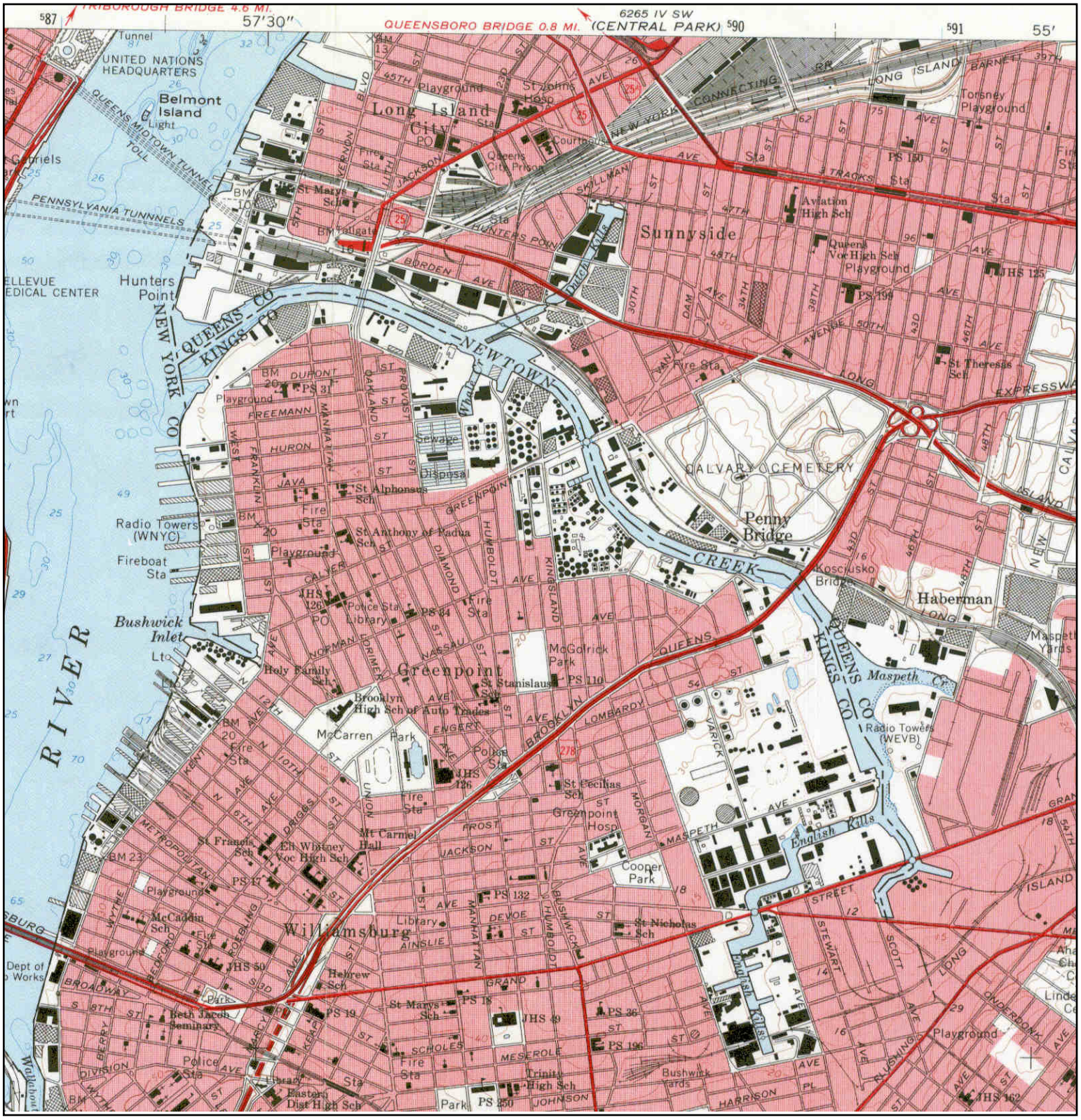
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



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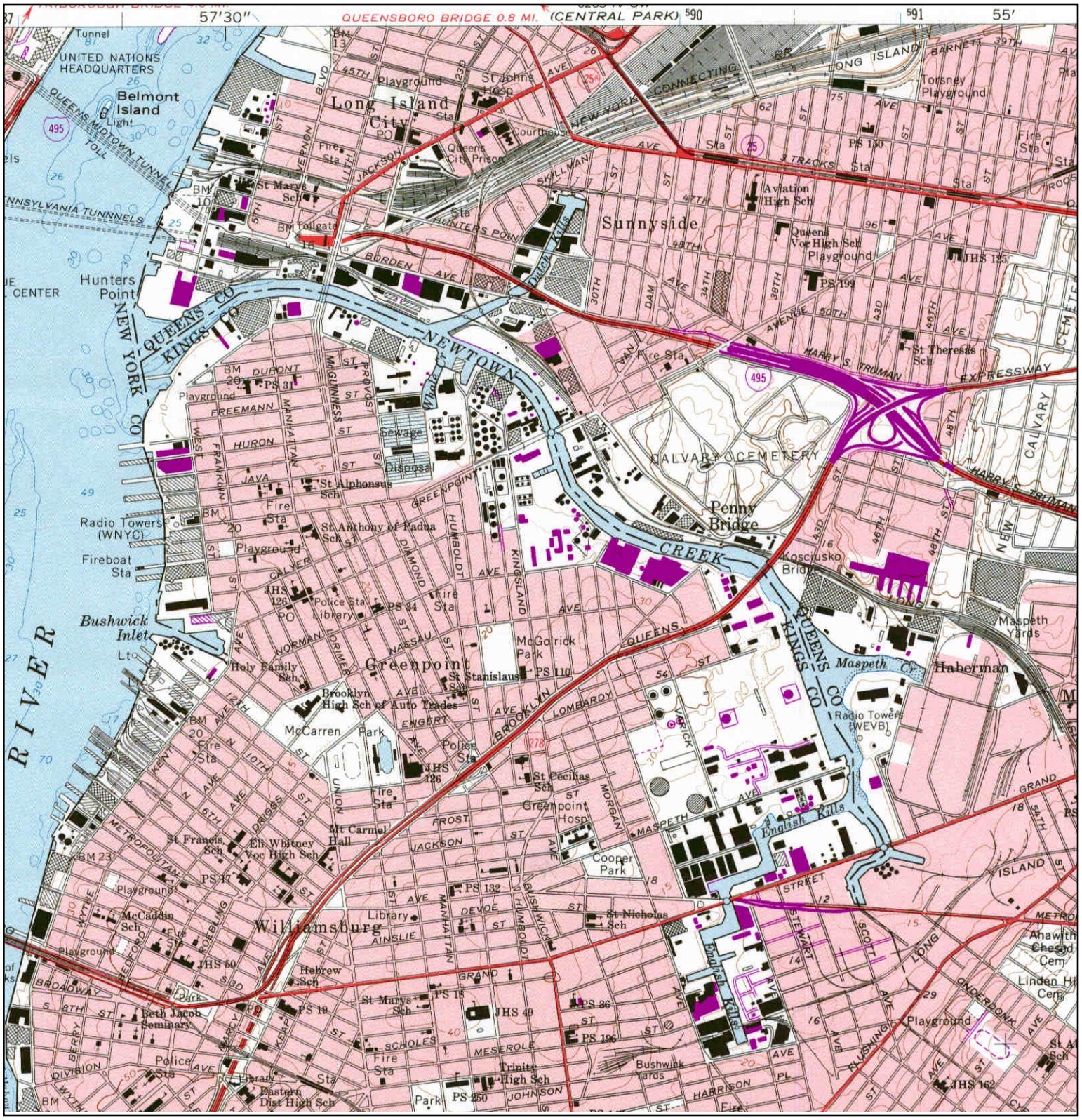
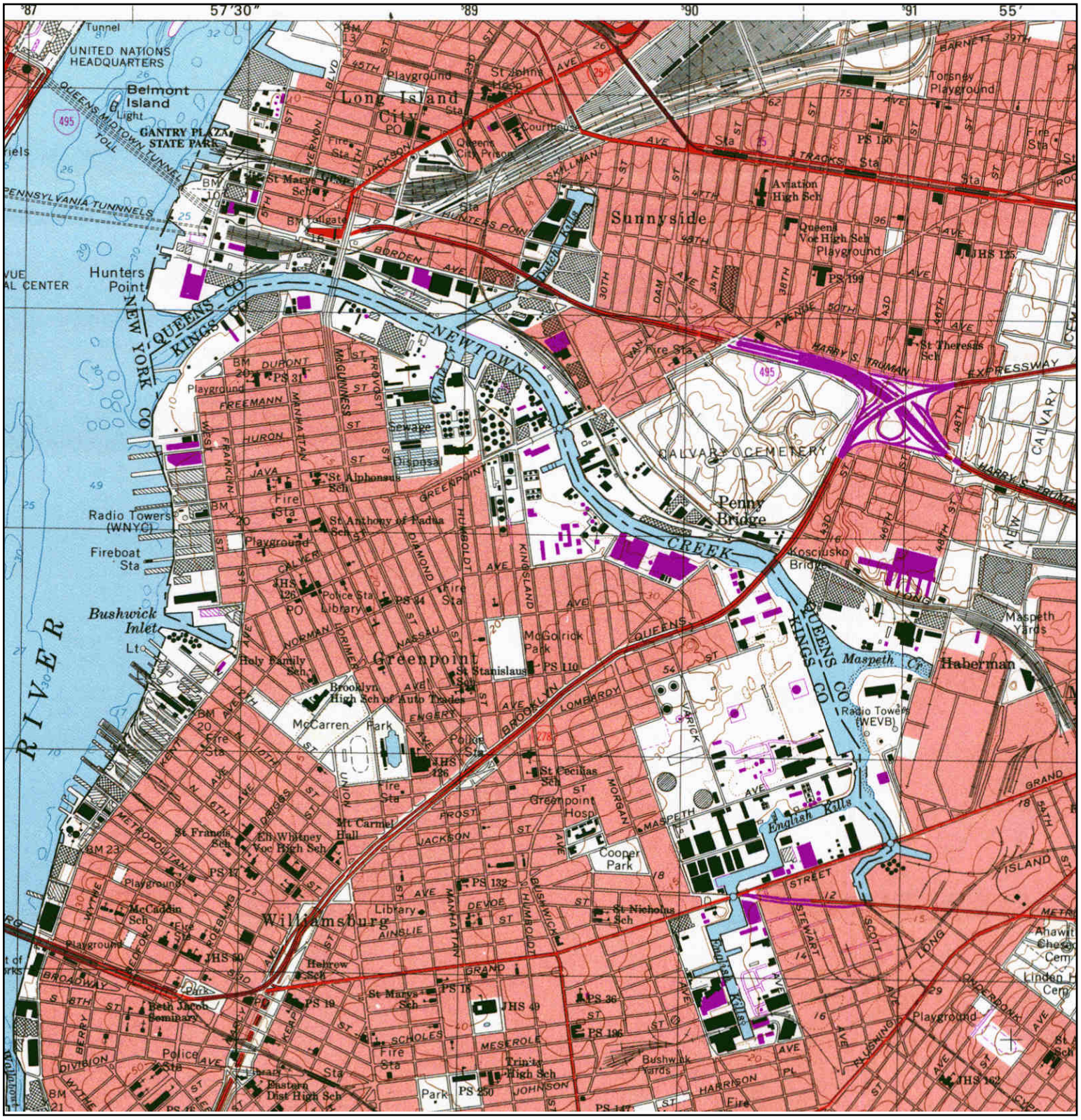
Historical Topographic Map


57'30"
QUEENSBORO BRIDGE 0.8 MI.
(CENTRAL PARK)
590
591
55'
UNITED NATIONS HEADQUARTERS
Belmont Island
Long Island City
Sunnyside
Hunters Point
Greenpoint
Williamsburg
Bushwick Inlet
RIVER
NEWTOWN CREEK
Penny Bridge
Kosciusko Bridge
CALVARY CEMETERY
McGolrick Park
McCarren Park
Cooper Park
Greenpoint Hosp
St Johns Hosp
Queens City Prison
Courthouse
Aviation High Sch
Queens Voc High Sch
Torsney Playground
Maspeth
Maspeth Yards
Haberman
Bushwick Yards
Eli Whitney Voc High Sch
Brooklyn High Sch of Auto Trades
Trinity High Sch
Eastern Dist High Sch
Mt Carmel Hall
Hebrew Sch
Beth Jacob Seminary
Ahawith Chesed Cem
Linden Hill Cem
QUEENS CO
KINGS CO
NEW YORK CO
QUEENSBORO BRIDGE
QUEENS MIDTOWN TUNNEL TOLL
PENNSYLVANIA TUNNELS
HARRY S. TRUMAN EXPRESSWAY
LONG ISLAND RR
CONNECTING
Radio Towers (WNYC)
Radio Tower (WEVB)
Fireboat Sta
Tunnel
Light
Playground
Fire Sta
Police Sta
Library
Sewage Disposal
PS 31
PS 34
PS 110
PS 150
PS 194
PS 132
PS 17
PS 19
PS 18
PS 36
PS 196
PS 250
JHS 126
JHS 50
JHS 49
JHS 125
JHS 162
St Alphonsus Sch
St Anthony of Padua Sch
St Cecilias Sch
St Francis Sch
St Marys Sch
St Nicholas Sch
St Stanislaus
St Theresas Sch
McCaddin Sch
Holy Family Sch
Public Library
Police Station
Fire Station
Playground
Park
Cemetery
Sta
BM 10
BM 13
BM 20
BM 23
Tollgate
Ditch
Creek
English Kills
Newtown Creek
Dutch Kills
Bushwick Inlet
Lt
Lt
Lt

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

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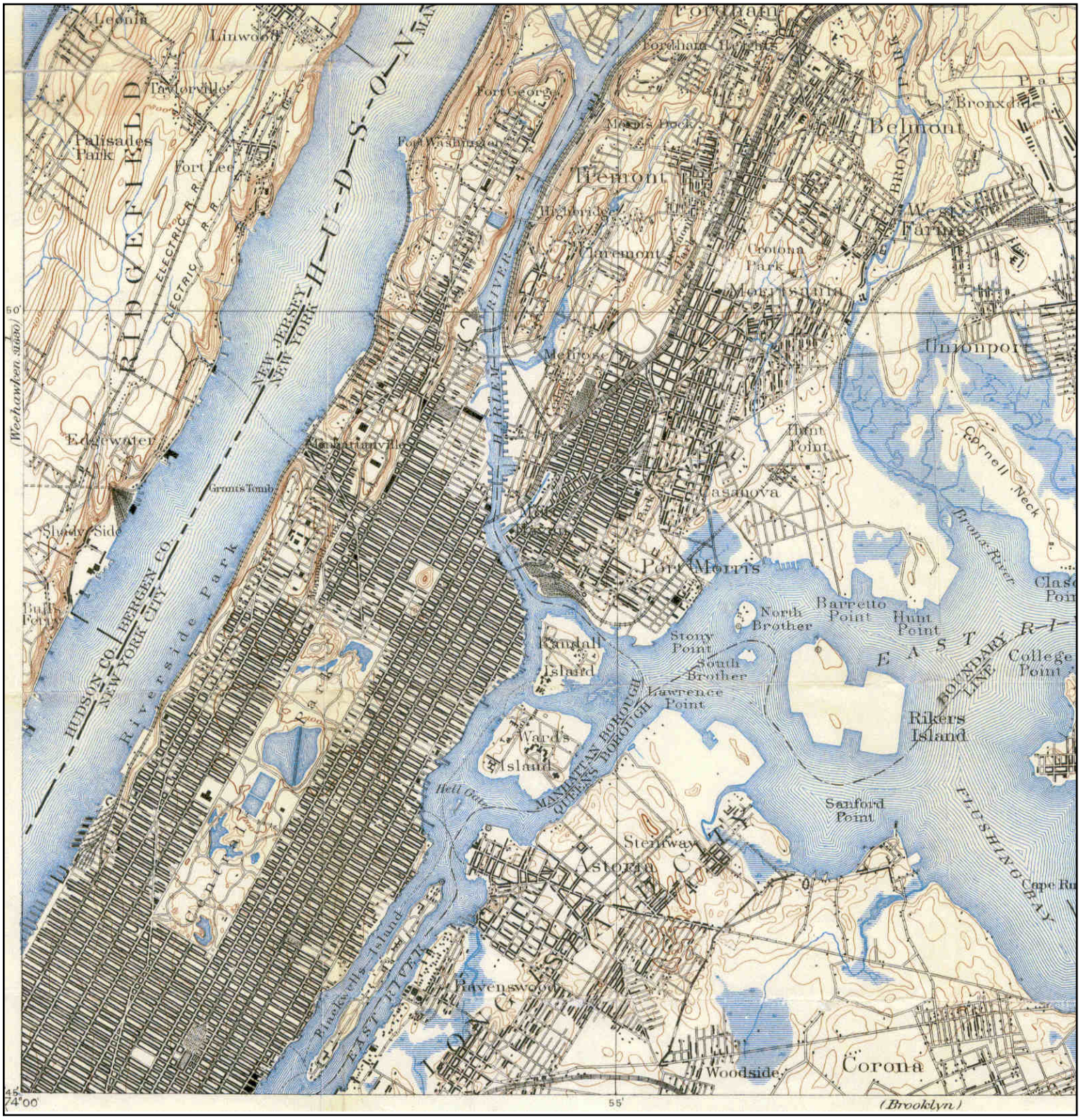
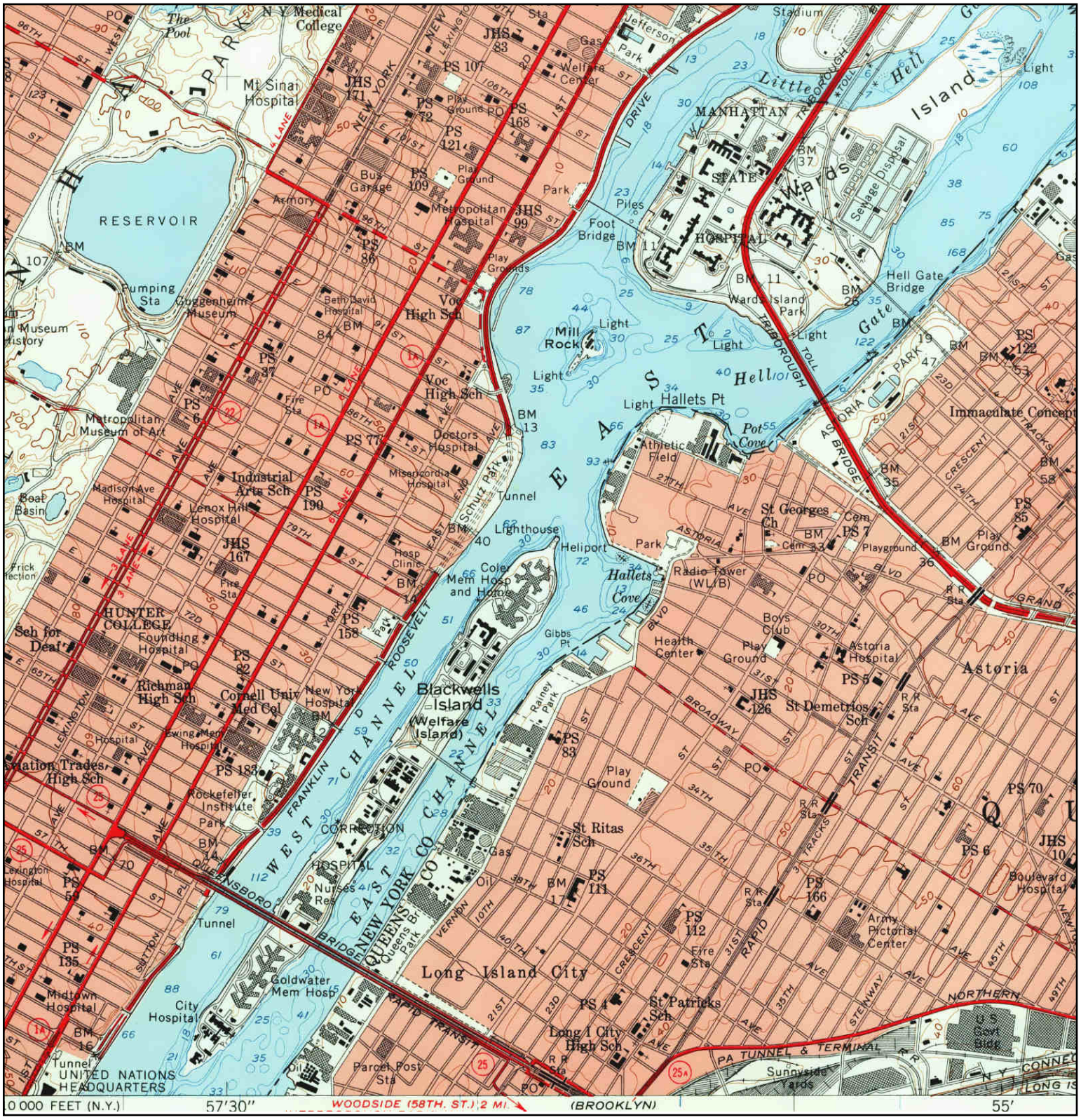


N	ADJOINING QUAD NAME: HARLEM MAP YEAR: 1897 SERIES: 15 SCALE: 1:62500	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map

N	ADJOINING QUAD NAME: CENTRAL PARK MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



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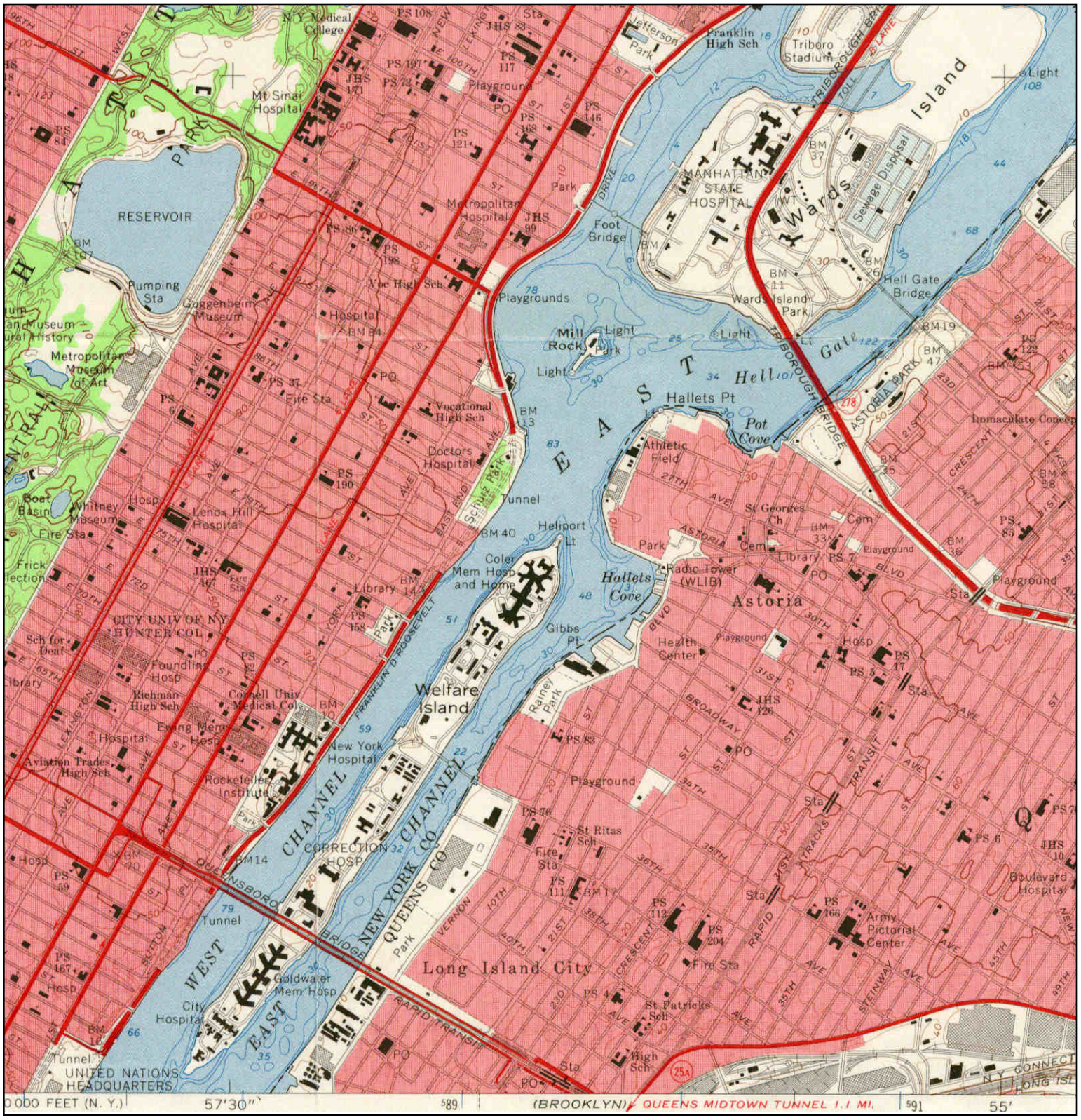

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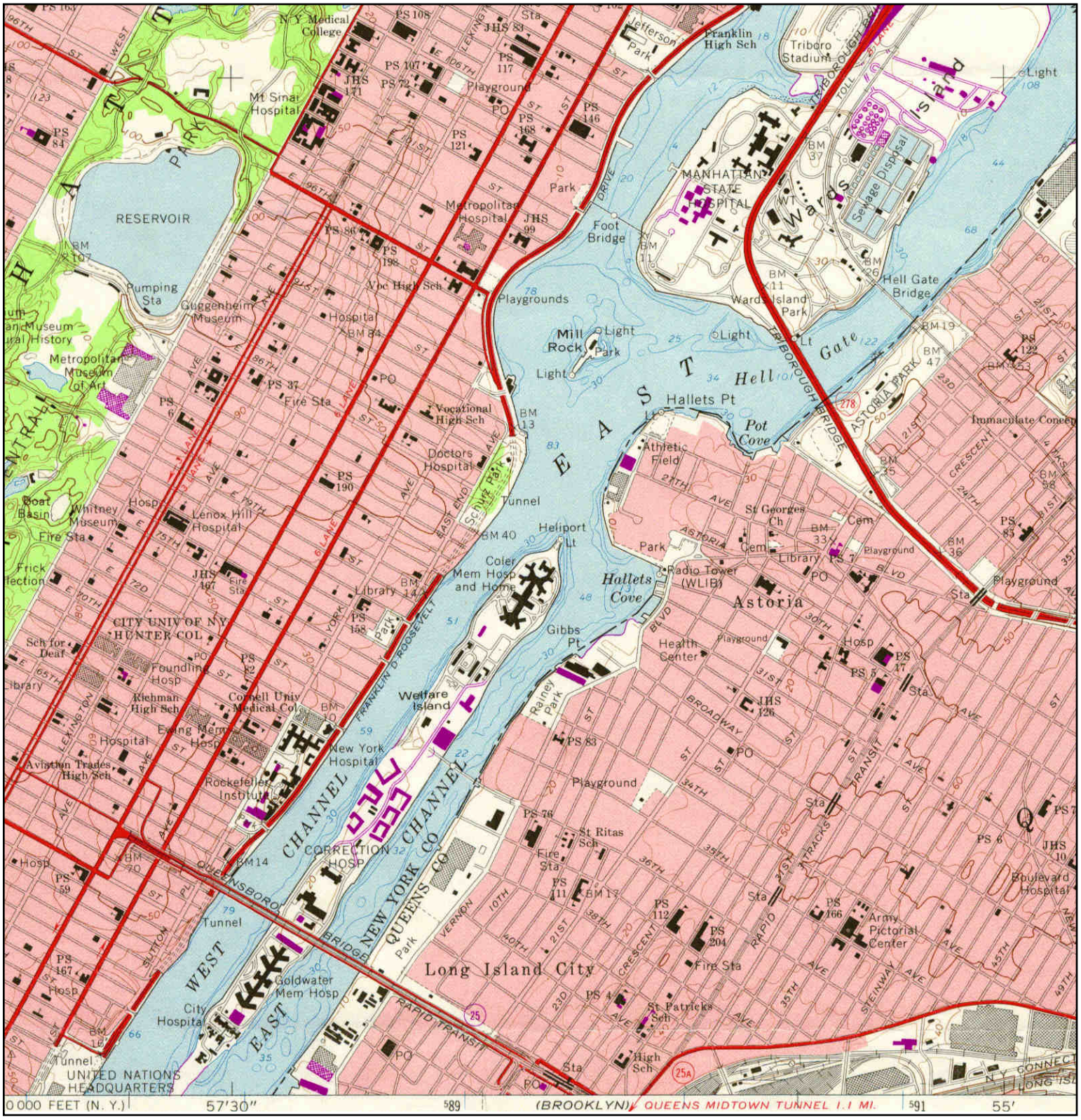
Historical Topographic Map



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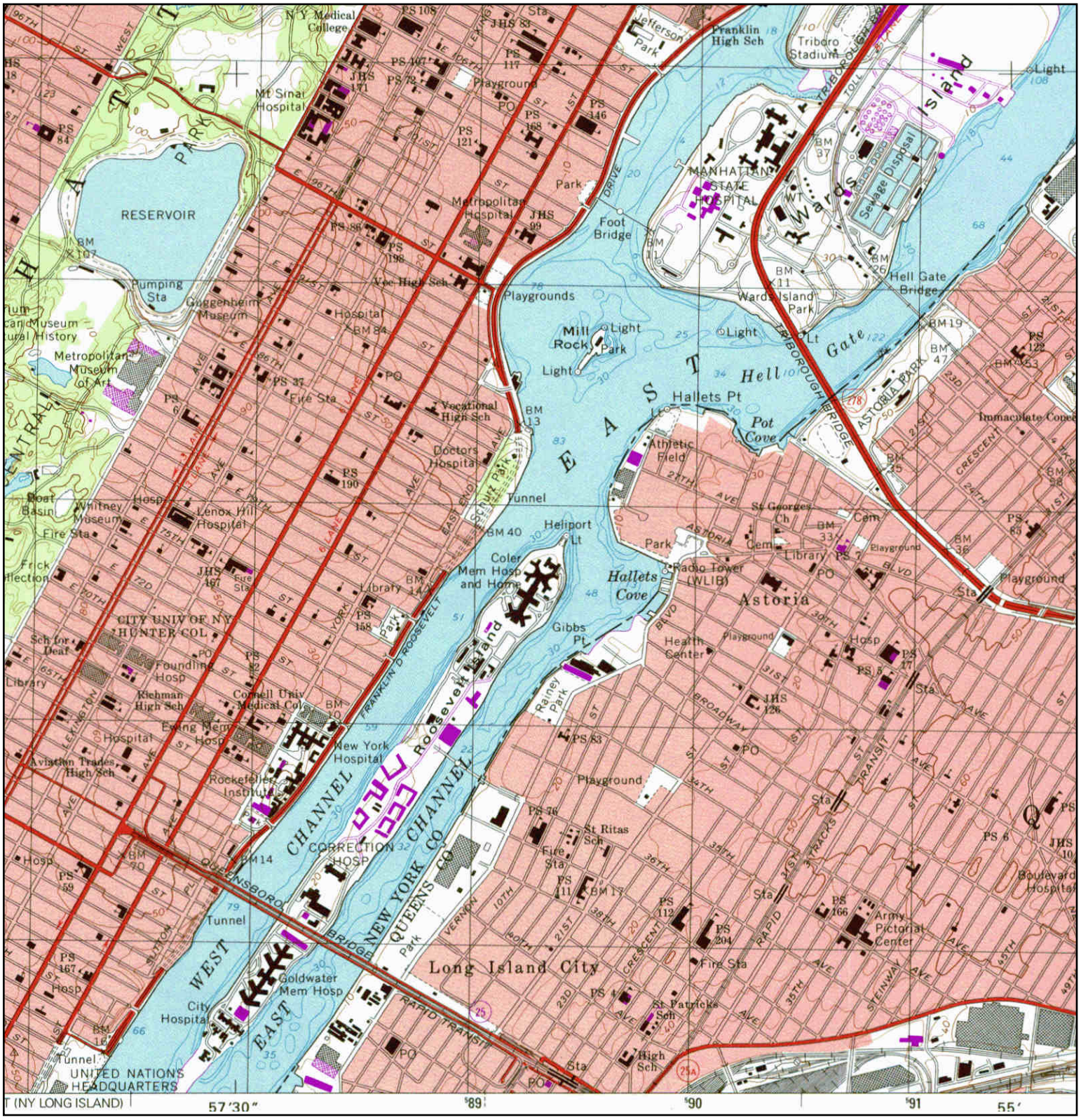
Historical Topographic Map



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APPENDIX K- CITY DIRECTORY ABSTRACT

27-21 44th Drive and 44-18 Purves Street
4418 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.6
December 04, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
1996	NYNEX	-	-	-	-
1991	NYNEX Information Resource Company	-	X	X	-
1983	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1967	New York Telephone	-	X	X	-
1962	New York Telephone Directory	-	X	X	-
1950	New York Telephone	-	-	-	-
1945	New York Telephone	-	X	X	-
1939	New York Telephone Company	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
1922	The Metropolitan Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2719 44th Drive	Client Entered	X
2721 44th Drive	Client Entered	X
2723 44th Drive	Client Entered	X
2725 44th Drive	Client Entered	
2727 44th Drive	Client Entered	
4422 Purves Street	Client Entered	X
2733 44th Drive	Client Entered	
2717 Thompson Ave	Client Entered	
4424 Purves Street	Client Entered	X
4426 Purves Street	Client Entered	X
4428 Purves Street	Client Entered	X
4417 Purves Street	Client Entered	X
4419 Purves Street	Client Entered	X
4421 Purves Street	Client Entered	X
4412 Purves Street	Client Entered	X
4414 Purves Street	Client Entered	X
4416 Purves Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

4418 Purves Street
Long Island City, NY 11101

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

44TH DR

2719 44TH DR

Year	Uses	Source
2013	NASTASI RACING CAR CORP	Cole Information Services
	QUEENS PLAZA	Cole Information Services
2008	NAS INTERNATIONAL INC	Cole Information Services

2723 44TH DR

Year	Uses	Source
2013	NORTHEASTERN AUTO REPAIR INC	Cole Information Services
2008	NORTHEASTERN AUTO REPAIR INC	Cole Information Services

44th Drive

2719 44th Drive

Year	Uses	Source
2005	Nastasi Racing Car Corp	Hill-Donnelly Information Services
2000	Nastasi Racg Car	Cole Information Services

2721 44th Drive

Year	Uses	Source
1967	Wm Berg Inc	New York Telephone
1962	Jackson Cabinet Corp	New York Telephone Directory
	Berg Rent A Car Svce	New York Telephone Directory
	Berg Truck Rentl Co Inc	New York Telephone Directory
	Berg Trucking Co	New York Telephone Directory
1945	Packaging div	New York Telephone
1939	Ideal Garage	New York Telephone Company

2723 44th Drive

Year	Uses	Source
2000	NE Auto Repair Inc	Cole Information Services
1983	Alvic Foreign Auto Repr	New York Telephone
1970	Tul Mor Auto Service Inc	New York Telephone
	Tul Mor Auto Svce Inc	New York Telephone

FINDINGS

Year	Uses	Source
1962	Berg Rent A Car Svce	New York Telephone Directory
	Berg Truck Rental Co Inc	New York Telephone Directory

PURVES ST

4412 PURVES ST

Year	Uses	Source
2013	PURVES AUTOMOBILE REPAIR	Cole Information Services
	NONE JAROSLAW	Cole Information Services
	RICAMBI SPORT	Cole Information Services
2008	BARKO AUTOMOTIVE	Cole Information Services
	GUTMANN NORTH AMERICA CORP	Cole Information Services

4416 PURVES ST

Year	Uses	Source
2008	SP PERFORMANCE INTERNATIONAL INC	Cole Information Services

4419 PURVES ST

Year	Uses	Source
2013	SCULPTURE CENTER INC	Cole Information Services
2008	SCULPTURE CENTER INC	Cole Information Services

4426 PURVES ST

Year	Uses	Source
2008	RICAMBI SPORT	Cole Information Services

Purves Street

4412 Purves Street

Year	Uses	Source
2005	Barko Automotive 1 R	Hill-Donnelly Information Services
	S 5 P Performance Intl Inc	Hill-Donnelly Information Services
1939	Ellis Wm A auto sprngs	New York Telephone Company

4414 Purves Street

Year	Uses	Source
1934	Simms Arth truck driver	R. L. Polk & Co.
	Armour Walter Mattie lab	R. L. Polk & Co.
	Smith Herman rigger	R. L. Polk & Co.
	Gonzalez Rais film fcty	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Martin Daisy drss opr	R. L. Polk & Co.

4416 Purves Street

Year	Uses	Source
1991	Gimme Seltzer Manhattan	NYNEX Information Resource Company
1983	Leber Katz b	New York Telephone
1934	Christian Oliver Lillian porter	R. L. Polk & Co.
	Christian Sonny Bertha musician	R. L. Polk & Co.
	Yates John Delia	R. L. Polk & Co.

4417 Purves Street

Year	Uses	Source
1976	Consolidated Concrete Cutting Corp	New York Telephone
1970	Expert Concrete Breakers Inc	New York Telephone
	Consolidated Concrete Cuting Corp	New York Telephone
1967	Expert Concrete Breakers Inc	New York Telephone
1962	Expert Concrete Breakers Inc	New York Telephone Directory
1945	Expert Concrete Breakers Inc	New York Telephone

4419 Purves Street

Year	Uses	Source
2005	Global Instalation Corp	Hill-Donnelly Information Services
2000	Globe Gates	Cole Information Services
	Glob Gates Inc	Cole Information Services
1991	GLOBE GATES INC	NYNEX Information Resource Company
	GLOBE GATES	NYNEX Information Resource Company
1983	European Gates Co	New York Telephone
1970	Concrete Breaking Co	New York Telephone
	HOWNOR ASSOCS INC	New York Telephone
1967	Hownor Assocs Inc	New York Telephone
	Concrete Breaking Co	New York Telephone
1945	Factory	New York Telephone
	Getomer Equip Co	New York Telephone
	Baltic Mach & Tool Co	New York Telephone

4421 Purves Street

Year	Uses	Source
2000	Russell Cress Co	Cole Information Services
1945	Concrete Breaking Co	New York Telephone

FINDINGS

4422 Purves Street

Year	*Uses*	*Source*
1934	Robinsson DAvid Mamie professional boxer	R. L. Polk & Co.

4424 Purves Street

Year	*Uses*	*Source*
1934	JAvakian Gabriel Alice carpet clnr	R. L. Polk & Co.
	Greer Clara Mrs maid	R. L. Polk & Co.
	Snelson Chas A clk	R. L. Polk & Co.
	Snelson Pearl wid Chas	R. L. Polk & Co.
	Robinson Isabelle walter	R. L. Polk & Co.
	Browder Florence wid Nicholas maid	R. L. Polk & Co.

4426 Purves Street

Year	*Uses*	*Source*
2000	Bartellino Vincent	Cole Information Services
1945	F R Mach Wks	New York Telephone

4428 Purves Street

Year	*Uses*	*Source*
1934	Solomon Bert Charlotte pipemkr	R. L. Polk & Co.
	Glover Grace wid Jos dom	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
4418 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2717 Thompson Ave	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2719 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2719 44th Drive	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2721 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1934, 1922
2723 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2723 44th Drive	2013, 2008, 2005, 1996, 1991, 1976, 1967, 1950, 1945, 1939, 1934, 1922
2725 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2727 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2733 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4412 PURVES ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4412 Purves Street	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4414 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4416 PURVES ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4416 Purves Street	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4417 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1950, 1939, 1934, 1922
4419 PURVES ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4419 Purves Street	2013, 2008, 1996, 1976, 1962, 1950, 1939, 1934, 1922
4421 Purves Street	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4422 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4424 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4426 PURVES ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4426 Purves Street	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
4428 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

APPENDIX L- ENVIRONMENTAL LIEN SEARCH

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.7
December 09, 2013

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

44-18 Purves Street
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY 11101

RESEARCH SOURCE

Source 1:

Queens Recorder
Queens, NY

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	44 LIC LLC
Title received from:	Electric Realty Co. LLC
Deed Dated	9/14/2011
Deed Recorded:	8/27/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2013071900952001
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	44 LIC LLC
Parcel # / Property Identifier:	Blk. 268 / Lot 4
Comments:	See Exhibit

Deed 2:

Type of Deed:	Deed
Title is vested in:	44 LIC LLC
Title received from:	4418 Purves LLC
Deed Dated	7/18/2013
Deed Recorded:	8/27/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2013071900952002
Docket:	NA
Land Record Comments:	

EDR Environmental Lien and AUL Search

	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	44 LIC LLC
Parcel # / Property Identifier:	Blk. 268 / Lot 23, Blk. 268 / Lot 22
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2013071900952001001E83D3

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 5**

Document ID: 2013071900952001 Document Date: 09-14-2011 Preparation Date: 07-19-2013
Document Type: DEED
Document Page Count: 4

PRESENTER:
ALL NEW YORK TITLE AGENCY (PICK-UP VICKIE)
222 BLOOMINGDALE ROAD
SUITE 306 (ANY2011-7428C LS)
WHITE PLAINS, NY 10605
914-686-5600
JKAMNA@ALLNYT.COM

RETURN TO:
SEIDEN & SCHEIN, P.C.
570 LEXINGTON AVENUE, 14TH FLOOR
NEW YORK, NY 10022
ATTN: ALVIN SCHEIN, ESQ.

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	268	4	Entire Lot	27-21 44TH DRIVE

Property Type: OTHER

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
ELECTRIC REALTY COMPANY, L. L. C.
C/O KRAUPNER GROUP, 457 KNICKERBOCKER AVENUE
BROOKLYN, NY 11237

GRANTEE/BUYER:
44 LIC LLC
C/O VOREA HOLDINGS, LLC, 184 N. 8TH STREET
NEW YORK, NY 11237

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	57.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-27-2013 09:44
City Register File No.(CRFN): **2013000341299**

City Register Official Signature

A NY.11.7428C

QUITCLAIM DEED

by and between

ELECTRIC REALTY COMPANY, L.L.C.,
as Grantor

and

44 LIC LLC,
as Grantee

AS OF
Dated: September 14, 2011

Premises:
27-21 44th Drive
Long Island City, New York

Record and return to:

Alvin Schein, Esq.
Seiden & Schein, P.C.
570 Lexington Avenue, 14th floor
New York, New York 10022

Block:	268
Lot:	4
County:	Queens

QUITCLAIM DEED

THIS INDENTURE, made as of the 14th day of September, 2011

BETWEEN

ELECTRIC REALTY COMPANY, L.L.C., a Delaware limited liability company having an address at c/o Kraupner Group, 457 Knickerbocker Avenue, Brooklyn, New York 11237 (the "Grantor"),

AND

44 LIC LLC, a New York limited liability company having an address at c/o Vorea Holdings, LLC 184 N. 8th Street, New York, New York 11237 (the "Grantee").

WITNESSETH, that Grantor, in consideration of Ten Dollars ($10.00) and other valuable consideration paid by Grantee, does hereby remise, release and quitclaim unto Grantee, the heirs or successors and assigns of Grantee forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the in the City of New York, County of Queens and State of New York, and known as part of 27-21 44th Drive, Long Island City, New York (the "Property"), as more particularly described on Schedule A annexed hereto and made a part hereof,

TOGETHER WITH all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described Property to the center lines thereof;

TOGETHER WITH the appurtenances and all the estate and rights of Grantor in and to said Property; and

TO HAVE AND TO HOLD the Property herein granted unto Grantee, the heirs or successors and assigns of Grantee, forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvements at the Property and will apply the same first to the payment of the cost of the improvements before using any part of the total of the same for any other purpose.

IN WITNESS WHEREOF, Grantor has duly executed this deed the day and year first above written.

ELECTRIC REALTY COMPANY, L.L.C.,
a New York limited liability company

By: _____
Name: Eileen Ludwig Greenland
Title: Authorized Signatory

ACKNOWLEDGMENT

STATE OF NEW YORK)
) ss.:
COUNTY OF NEW YORK)

On the 20th day of September in the year 2011, before me, the undersigned, a Notary Public in and for said State, personally appeared EILEEN LUDWIG GREENLAND, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

KEVIN P. GROARKE
Notary Public, State of New York
No. 4664596
Qualified in Westchester County
Commisssion Expires February 28, 2015

SEAL SEAL

SCHEDULE A
ANY2011-7242C

ALL those certain plots, pieces or parcels of land situate, lying and being in the Borough and County of Queens, City and State of New York, more particularly bounded and described as follows:

BEGINNING at a point on the easterly side of 44th Drive (Nott Avenue) distant 59.94 feet northerly from the corner formed by the intersection of the easterly side of 44th Drive with the northeasterly side of Thomson Avenue;

RUNNING thence northerly along the easterly side of 44th Drive, 100.04 feet;

THENCE easterly and parallel with the southerly side of Jackson Avenue, 92.11 feet;

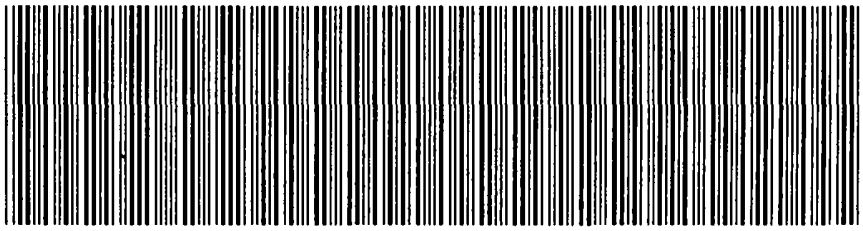
THENCE southerly along a line forming an interior angle of 90 degrees 21' 40" with the last mentioned course, 75.00 feet;

THENCE easterly parallel with the southerly side of Jackson Avenue, 10.00 feet;

THENCE southerly parallel with the westerly side of Purves Street, 25.00 feet;

THENCE westerly along a line forming an interior angle of 89 degrees 38' 20" with the last mentioned course, 98.54 feet to the easterly side of 44th Drive, at the point or place of BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2013071900952001001S4D52

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2013071900952001 Document Date: 09-14-2011 Preparation Date: 07-19-2013
Document Type: DEED

ASSOCIATED TAX FORM ID: 2013071900319

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
RP - 5217 REAL PROPERTY TRANSFER REPORT	4

FOR CITY USE ONLY

C1. County Code | | C2. Date Deed Recorded | | / | / | (Month / Day / Year)

C3. Book | | C4. Page | |

OR

C5. CRFN | |

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

CITY REGISTER

JUN 24 2013

PROPERTY INFORMATION

1. Property Location: 27-21 (STREET NUMBER) | 44TH DRIVE (STREET NAME) | QUEENS (BOROUGH) | (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address — Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form): C/O VOREA HOLDINGS LLC (LAST NAME / COMPANY) | (FIRST NAME)

184 N 8TH STREET (STREET NUMBER AND STREET NAME) | WILLIAMSBURG (CITY OR TOWN) | NY (STATE) | 11211 (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 1 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: ELECTRIC REALTY COMPANY, L.L.C. (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 9 / 9 / 2011 (Month / Day / Year)

11. Date of Sale / Transfer: 9 / 9 / 2011 (Month / Day / Year)

12. Full Sale Price $ 0

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: G, 2

16. Total Assessed Value (of all parcels in transfer):

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 4

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE | DATE

C/O VOREA HOLDINGS LLC 184 8TH STREET

STREET NUMBER | STREET NAME (AFTER SALE)

WILLIAMSBURG

CITY OR TOWN | NY (STATE) | 11211 (ZIP CODE)

BUYER'S ATTORNEY

LAST NAME | FIRST NAME

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE

2011091300126201

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER		BUYER'S ATTORNEY	
BUYER SIGNATURE	DATE 2/22/12	LAST NAME	FIRST NAME
C/O VOREA HOLDINGS LLC 184 8TH STREET		AREA CODE	TELEPHONE NUMBER
STREET NUMBER STREET NAME (AFTER SALE)			
WILLIAMSBURG	NY 11211	SELLER	
CITY OR TOWN	STATE ZIP CODE	SELLER SIGNATURE	DATE 9/20/11

ELECTRIC REALTY COMPANY, LLC

2011091300126201

FOR CITY USE ONLY

C1. County Code | | C2. Date Deed Recorded | / / | Month Day Year

C3. Book OR C4. Page

C5. CRFN

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

PROPERTY INFORMATION

1. Property Location: 27-21 (STREET NUMBER) | 44TH DRIVE (STREET NAME) | QUEENS (BOROUGH) | 11101 (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

CITY REGISTER

(LAST NAME / COMPANY) | (FIRST NAME)

JUL 24 2013

3. Tax Billing Address — Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form)

(LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 1 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: ELECTRIC REALTY COMPANY, L. L. C. (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 9 / 9 / 2011 (Month Day Year)

11. Date of Sale / Transfer: 9 / 14 / 2011 (Month Day Year)

12. Full Sale Price $ 0

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: G 2

16. Total Assessed Value (of all parcels in transfer): 1,651,150

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 4

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER		BUYER'S ATTORNEY	
BUYER SIGNATURE	DATE	LAST NAME	FIRST NAME
C/O VOREA HOLDINGS, LLC 184 N. 8TH STREET			
STREET NUMBER / STREET NAME (AFTER SALE)		AREA CODE	TELEPHONE NUMBER
		SELLER	
NEW YORK / CITY OR TOWN	NY / STATE	11237 / ZIP CODE	SELLER SIGNATURE / DATE

2013071900319201

Deed Exhibit 2

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2013071900952002002E7397

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 5**

Document ID: 2013071900952002 Document Date: 07-18-2013 Preparation Date: 07-19-2013
Document Type: DEED
Document Page Count: 4

PRESENTER:
ALL NEW YORK TITLE AGENCY (PICK-UP VICKIE)
222 BLOOMINGDALE ROAD
SUITE 306 (ANY2011-7428C LS)
WHITE PLAINS, NY 10605
914-686-5600
JKAMNA@ALLNYT.COM

RETURN TO:
SEIDEN & SCHEIN, P.C.
570 LEXINGTON AVENUE, 14TH FLOOR
NEW YORK, NY 10022

PROPERTY DATA

Borough	Block	Lot		Unit	Address
QUEENS	268	22	Entire Lot		44-18 PURVES STREET

Property Type: OTHER

Borough	Block	Lot		Unit	Address
QUEENS	268	23	Entire Lot		44-22 PURVES STREET

Property Type: OTHER

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
4418 PURVES LLC
410 OGDEN AVENUE
TEANECK, NJ 07666

GRANTEE/BUYER:
44 LIC LLC
31-87 STEINWAY STREET, SUITE 5
ASTORIA, NY 11103

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	60.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 108,176.25
NYS Real Estate Transfer Tax: $ 16,484.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-27-2013 09:44
City Register File No.(CRFN): **2013000341300**

City Register Official Signature

AM-11-7428C

— Bargain and Sale Deed, with Covenant against Grantor's Acts — Individual or Corporation (Single Sheet)

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made the 18TH day of July in the year 2013

BETWEEN 4418 PURVES LLC, 410 OGDEN AVENUE, TEANECK, NEW JERSEY, 07666

party of the first part, and 44 LIC LLC, 31-87 STEINWAY STREET, SUITE 5, ASTORIA, NEW YORK 11103
party of the second part,
WITNESSETH, that the party of the first part, in consideration of TEN ($10.00) dollars
paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

All that certain Lot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the County of Queens, Block 268, Lots 22 and 23 and known as 44-18 Purves Street, Long Island City, New York, the property being transferred being the same premises described in the deed to the party of the first part herein by deed dated 2/3/2010 recorded 2/17/2010 in CRFN 201000005432, See Schedule A annexed hereto for a metes and bounds description.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.
AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

4418 PURVES, LLC

IN PRESENCE OF:

NORMAN N. RATZERSDORFER, MANAGER

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of NEW YORK, ss:

On the 18TH day of JUNE in the year 2013, before me, the undersigned, personally appeared NORMAN RATZERSDORFER, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

JACK WAINER
Notary Public, State of New York
No. 01WA4846218
Qualified in Nassau County
Commission Expires Sept. 30, 20 17

SEAL

ACKNOWLEDGEMENT BY SUBSCRIBING WITNESS TAKEN IN NEW YORK STATE

State of New York, County of , ss:

On the day of in the year , before me, the undersigned, a Notary Public in and for said State, personally appeared , the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in

(if the place of residence is in a city, include the street and street number if any, thereof);

that he/she/they know(s) to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of , ss:

On the day of in the year , before me, the undersigned, personally appeared , personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK STATE

*State of , County of , ss:

*(Or insert District of Columbia, Territory, Possession or Foreign County)

On the day of in the year , before me the undersigned personally appeared Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual make such appearance before the undersigned in the

(add the city or political subdivision and the state or country or other place the acknowledgement was taken).

Bargain and Sale Deed With Covenants

Title No. ANY 2011-7428C

4418 PURVES, LLC
TO
44 LIC, LLC

SECTION:

BLOCK: 268

LOT: 22 and 23

COUNTY OR TOWN: QUEENS

RETURN BY MAIL TO:

SEIDEN & SCHEIN, P.C.
570 LEXINGTON, AVENUE, 14TH FLOOR
NEW YORK, NEW YORK 10022

MADISON TITLE AGENCY L.L.C.
1125 OCEAN AVENUE
LAKEWOOD, NJ 08701
P:(732)905-9400
F:(732)905-9420
WWW.MADISONTITLE.COM

ALL NEW YORK TITLE AGENCY, INC.

Title No. ANY2011-7428C

SCHEDULE A

Amended 06-26-2013

PARCEL 1 - LOT 22

ALL that certain plot, piece or parcel of land situate, lying and being in the Borough of Queens, County of Queens, City and State of New York, known and designated as Lot No. 15 in Block No. 1, on a certain map entitled, "Thomson' Extension Map of Long Island City at Hunter's Point, made by Peter Van Alst, C.S. for James Thomson dated May 1, 1867" and filed in the Queens County Clerk's Office, with said lot is bounded and described as follows:

BEGINNING at a point on the westerly side of Purves Street (formerly known as Thomson Street) distant 175 feet southerly from the corner formed by the intersection of the westerly side of Purves Street with the southerly side of Jackson Avenue;

RUNNING thence southerly along said side of Purves Street, 25 feet;

THENCE westerly parallel with Jackson Avenue, 100 feet;

THENCE northerly parallel with Purves Street, 25 feet;

THENCE easterly parallel with Jackson Avenue, 100 feet to the westerly side of Purves Street, at the point or place of BEGINNING.

PARCEL 2 - LOT 23

ALL that certain plot, piece or parcel of land situate, lying and being in the Borough and County of Queens, City and State of New York, known as and by Lot Number 23 in Tax Block 268 as the Tax Map existed on June 6, 2006 and being bounded and described as follows:

BEGINNING at a point on the westerly side of Purvis Street distant 276 feet northerly from the corner formed by the intersection of the westerly side of Purvis Street with the northeasterly side of Thomson Avenue;

RUNNING thence westerly at right angles to the westerly side of Purvis Street, 100 feet;

THENCE northerly parallel to the westerly side of Purvis Street, 25 feet;

THENCE easterly again at right angles to the westerly side of Purvis Street, 100 feet to

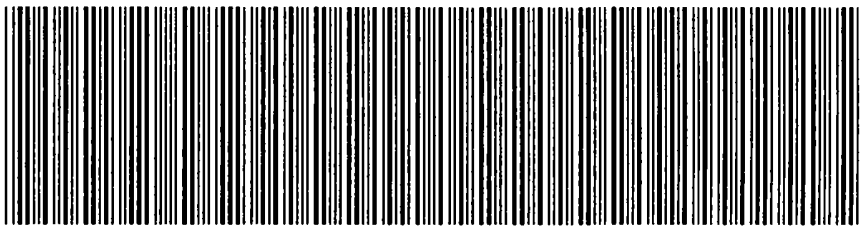
- continued on next page -

SCHEDULE A (continued)

the westerly side of Purvis Street;

THENCE southerly along the westerly side of Purvis Street, 25 feet to the point or place of BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2013071900952002002SBD16

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2013071900952002 Document Date: 07-18-2013 Preparation Date: 07-19-2013
Document Type: DEED

ASSOCIATED TAX FORM ID: 2013071600419

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	2
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code ____ C2. Date Deed Recorded ____ / ____ / ____ (Month / Day / Year)

C3. Book OR C5. CRFN ____ C4. Page ____

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

PROPERTY INFORMATION

1. Property Location: 44-18 (STREET NUMBER) | PURVES STREET (STREET NAME) | QUEENS (BOROUGH) | 11101 (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 2 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: ____ (FRONT FEET) X ____ (DEPTH) OR ____ (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: 4418 PURVES LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 4 / 24 / 2013 (Month / Day / Year)

11. Date of Sale / Transfer: 7 / 18 / 2013 (Month / Day / Year)

12. Full Sale Price $ 4,121,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale ____

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: V1

16. Total Assessed Value (of all parcels in transfer): 93,600

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 22 | QUEENS 268 23 |

20130716004192O102

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE | DATE: 7/19/13

31-87 STEINWAY STREET, SUITE 5

STREET NUMBER | STREET NAME (AFTER SALE)

ASTORIA | NY | 11103

CITY OR TOWN | STATE | ZIP CODE

BUYER'S ATTORNEY

LAST NAME | FIRST NAME

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE: 7/18/13

2013071600419201

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) **Property receiving service: BOROUGH: QUEENS** **BLOCK: 268** **LOT: 22**

(2) **Property Address: 44-18 PURVES STREET, QUEENS, NY 11101**

(3) **Owner's Name:** **44 LIC LLC**

Additional Name:

Affirmation:

☑ Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.

B. Original bills for water and/or sewer service will be mailed to the owner, **at the property address or to an alternate mailing address**. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 595-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name ~~of Owner~~:

Signature: _____ Date (mm/dd/yyyy) 7/18/2013

Name and Title of Person Signing for Owner, if applicable:

SEE ATTACHED PAGE FOR ADDITIONAL APPLICABLE PROPERTIES

BCS-7CRF-ACRIS REV. 8/08

2013071600419101

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Borough	Block	Lot	Street	City	State	Zip
QUEENS	268	23	44-22 PURVES STREET	NY	NY	11101

20130716004191O102

APPENDIX M- RESUMES

Jessica P. Alzamora, PE, LEED AP

Senior Staff Engineer/ Project Scientist
Environmental Engineering & Construction Monitoring

8 years in the industry ~ 7 years with Langan

Ms. Alzamora has over eight years of experience in environmental, site/civil, and geotechnical engineering. Her experience involves site investigation and remediation, environmental site assessments, utility assessments and design, water system analysis, and stormwater management design in New York, New Jersey, Nevada, and Connecticut. Her construction/field experience includes remedial excavation oversight, excavation and disposal of contaminated soils, installation and sampling of groundwater monitoring wells, soil sampling, health and safety air-monitoring, construction oversite/inspection, earthwork inspection, caisson installation, pavement inspection, and general surveying practices. Ms. Alzamora has experience in the evaluation of laboratory analytical data, design of sub-slab depressurization and soil vapor extraction systems, and preparation of construction documents and environmental reports (investigation, spill closure, final engineering reports, remedial action plans, health and safety plans). Ms. Alzamora is proficient in the latest Microsoft applications, AutoCAD, Land Development Desktop, and gINT.

Selected Projects

Teterboro Airport, 22 Acre Site, Teterboro, NJ
New York City School Construction Authority,
Multiple PCB Sites, New York, NY
McCarren Park Pool Reconstruction, Brooklyn, NY
711 Stewart Avenue, Garden City, NY
Hudson Mews Property-Marty Fine Parcel, New York, NY
627-641 Smith Street, Brooklyn, NY
216 West 76th Street, New York, NY
500 West 23rd Street, New York, NY
Gotham West/Studio City, New York, NY
1113 York Avenue, New York, NY
Con Edison, East 60th Street Generating Station, NY
2950 Atlantic Avenue, East New York, Brooklyn, NY
255 4th Avenue, Brooklyn, NY
New York Police Academy, Queens, NY
West 59th Street, New York, NY
Kingsbridge Armory, Bronx, NY
Public Safety Answer Center II - Bronx, NY
River Place II, New York, NY
Gateway at Bronx Terminal Market, Bronx, NY
Red Bull Arena, Harrison, NJ
Goldman Sachs World Headquarters, New York, NY
FDNY Rescue No. 3, Bronx, NY
Novartis East Village Expansion, East Hanover, NJ
New York Botanical Gardens, Bronx, NY

Education

B.S., Civil Engineering
University of Connecticut

A.S., Engineering Science
Manchester Community College

Professional Registration

Professional Engineer (PE) in NY

LEED Accredited Professional (LEED AP)

Affiliations

American Society of Civil Engineers (ASCE)

United States Green Building Council (USGBC)

LANGAN

Cooper Union Academic Building, New York, NY
The Curve Mixed-Use Development, Clark County, NV
Storage West Town Center, Las Vegas, NV
Walgreens Retail Center, CT
University of Hartford's Integrated Science and Technology Complex (ISET), Hartford, CT

Jason J. Hayes, PE, LEED AP

Associate
Environmental Engineering & Project Management

13 years in the industry

Mr. Hayes has 13 years of experience in New York, New Jersey, California, Washington, Oregon and Alaska. His experience includes Environmental Protection Agency (EPA), New York State (NYS) Brownfield's application, investigation, and remediation; New York City Department of Environmental Protection (NYCDEP) and New York City Office of Environmental Remediation (OER) E-designated site application, investigation, and remediation; Phase I and II Environmental Site Assessments; contaminated building cleanup and demolition; Underground Storage Tank (UST) permitting, removal specifications, and closure reporting; soil vapor intrusion investigation and mitigation system design (sub-slab depressurization systems, etc.); development of screening-level groundwater contaminant (volatile organic compounds - VOCs) plume migration models; environmental analysis; and oversight, design and specification generation for remediation operations with contaminants of concern to include polychlorinated biphenyls (PCBs), solvents, mercury, arsenic, petroleum products, asbestos, mold and lead.

Education

M.S., Environmental Engineering
Columbia University

B.Sc., Chemistry, Environmental Toxicology
Humboldt State University

Business Administration (minor)
Humboldt State University

Professional Registration

Professional Engineer (PE) in NY

LEED Accredited Professional (LEED AP)

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Site Supervisor

Affiliations

US Green Building Council, NYC Chapter (USGBC)

Urban Land Institute (ULI)

NAIOP

National Brownfield Partnership

Selected Projects

New York Police Academy, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY
Jacob Javits Convention Center, New York, NY
Yankee Stadium Development, Bronx, NY
Bushwick Inlet Park, Brooklyn, NY
Silvercup West, Queens, NY
29 Flatbush, Brooklyn, NY
Gowanus Village I, Brooklyn, NY
Sullivan Street Hotel, New York, New York
Riker's Island, Co-Generation Plant, Bronx, NY
The Shops at Atlas Park, Glendale, NY
Memorial Sloan-Kettering Cancer Center, New York, NY
Element West 59th Street, New York, NY
Teterboro Airport, Teterboro, NJ
Proposed New York JETS Stadium, New York, NY
Former Con Edison Manufactured Gas Plant (MGP) Sites, New York, NY
7 World Trade Center, New York, NY
Peter Cooper Village, New York, NY

Selected Publications, Reports, and Presentations

NYC Mayor's Office of Environmental Remediation – Big Apple Brownfield Workshop – Presented on Soil Vapor Intrusion Remedies (e.g., SSD Systems, Vapor Barriers, Modified HVAC)

Joel B. Landes, PE

Senior Associate/ Program Director
Environmental Engineering & Project Management

37 years in the industry ~ 13 years with Langan

Mr. Landes has over thirty-seven years of diversified experience directing environmental engineering and consulting projects for Fortune 500 manufacturing firms, real estate developers and public utilities. His experience includes management of environmental compliance for a major pharmaceutical company and as an environmental affairs consultant for private clients. He has expertise redeveloping former industrial, chemical, petroleum storage and manufactured gas plant sites into residential and commercial use through the New York State Brownfield Cleanup Program. He has lead environmental studies for acquisitions and divestitures of pharmaceutical and industrial facilities; industrial site selection and permitting.

He currently oversees all Langan environmental services in the New York City Metropolitan area including Phase I and II Environmental Site Assessments, remedial investigations, feasibility studies; remedial measure design and implementation.

Selected Projects

BROWNFIELD CLEANUP PROGRAM

The Shops at Atlas Park, Glendale, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY

INDUSTRIAL

711 Stewart Avenue, Garden City, NY
Acme/Whitehead, Brooklyn, NY
Waterside Generating Plan and Office Building, New York, NY
FSM Partners, New York, NY
Consolidated Edison of New York, Multiple Former MGP Facilities, Various Locations, New York, NY
Sterling Drug, Inc., Rensselaer, NY
Fresh Kills Landfill, New York City Department of Sanitation, Staten Island, NY
Property Investigation for Village of Sleepy Hollow, Tarrytown, NY
Vehicle Service Facility, City of Yonkers, NY
Crane Company, Roseland, NJ
Confidential Industrial Client, Environmental Risk Management, Bound Brook, NJ
Confidential Client, Superfund Site Remediation, Bound Brook, NJ
Elizabethtown Gas Company, Elizabeth, NJ

Education

Graduate Studies in
Business Management
Union College

M.E., Environmental Planning
and Management
The Cooper Union

B.S., Chemical Engineering
Polytechnic Institute of Brooklyn

Professional Registration

Professional Engineer (PE) in NY, NJ

Affiliations

New York Building Congress

NYC Partnerships of Brownfield Professionals

Business Council of New York State

Environmental Business Association

National Brownfield Association – NYS Chapter

LANGAN

Ethicon, Somerville, NJ
Indiana General, Keasbey, NJ
Sumitomo Machinery, Teterboro, NJ
Schmid Labs, West Patterson, NJ
L&F Products, ISRA/ECRA Cleanup, Belle Mead, NJ
CPC International, Various Locations, NY and IL
Pnemo Abex, Cleveland, OH
NL Chemicals, Various Locations, NJ and MI
Copper Processing Plant, Sofia, Bulgaria
Steel Processing Plant, Environmental Assessment, Pernik, Bulgaria
American Home Products, Mexico
Confidential Pharmaceutical Acquisition, Europe, Caribbean, and Africa
Colgate-Palmolive, Paris, France, Mexico City, Mexico, Brazil, Argentina and South America
Pfizer Pharmaceutical Company, PA and Europe
Riverwood Capital, US, Mexico, Central and South America
Sterling Drug, Puerto Rico
Laport, Ltd., Chile, South America

POWER

Sithe Energy, Kenilworth, NJ
Confidential Independent Power Producer Siting Analysis, Midwest, Mid-Atlantic and Southern, United States
Confidential IPP, Various Locations, VA
Florida Power and Light (FPL), Miami, FL
TXU Energy, Dallas, TX
Confidential Independent Power Producer, Midwest, Mid-Atlantic and Southern United States

AIRPORTS

American Airlines Terminals, Environmental Assessments, Queens, NY
JFK International Airport, International Arrivals Building, Jamaica, Queens, NY
Nippon Cargo, Jamaica, Queens, NY
JFK International Airport, Eastern Airlines Hangar, Jamaica, Queens, NY
First Aviation Services Hangar and Terminal at Teterboro Airport, Teterboro, NJ

TRANSPORTATION

New Jersey Turnpike Authority, East Brunswick, NJ

HOSPITAL

Memorial Sloan-Kettering Cancer Center, New York, NY
Memorial Sloan-Kettering Cancer Center, 1133 York Avenue, New York, NY
Memorial Sloan-Kettering Cancer Center, 64th Street, New York, NY
Memorial Sloan-Kettering Cancer Center, 74th Street, New York, NY
Memorial Sloan-Kettering Cancer Center, West Harrison, NY

COMMERCIAL

Jacob K. Javits Convention Center Expansion, New York, NY
7 World Trade Center, New York, NY

Atlantic Avenue Service Center, Brooklyn, NY
Yamato Transport, Tuckahoe, NY and Leonia, NJ
Mutual Oil Company, RI

HIGHER EDUCATION

Columbia University, Manhattanville Development Project, New York, NY
Columbia University Real Estate Group, 220 East 138th Street, Bronx, NY
Columbia University Real Estate Group, 1734 Bathgate Avenue, Bronx, NY
Columbia University Real Estate Group, 1745 Bathgate Avenue, Bronx, NY
Columbia University, The Studebaker Building Renovation, New York, NY
City University of New York (CUNY) John Jay College Expansion,
New York, NY

K-12 EDUCATION

PS 192, New York, NY

RESIDENTIAL AND MIXED-USE

Sullivan Street Residential, New York, NY
475 Ninth Avenue, New York, NY
River Place I and II, New York, NY
10 Chelsea, New York, NY
Silvercup West, Long Island City, NY
Superior Ink, New York, NY
Peter Cooper Village/Stuyvesant Town, MGP Consultations, New York, NY
Duane Street Condominium, New York, NY
Archstone Clinton, New York, NY

PARKS AND RECREATION

Highline Park, New York, NY
Yankee Stadium Redevelopment Project, Bronx, NY
Proposed New York Jets Stadium, New York, NY
AMF Bowling Centers, Phase I ESA's, 285 Locations, United States

EXPERT WITNESS

Confidential Client, Expert Affidavit, New York, NY
Confidential Client, Four New York Properties, New York, NY
Confidential Client, Expert Review and Remediation, Yonkers, NY
Confidential Client, Senior Environmental Consulting, Brooklyn, NY
Expert Affidavit, Confidential Client, New York, NY
Underground Storage Tank Removals, New York, NY

REMEDIAL INVESTIGATION REPORT

for

27-21 44th DRIVE
& 44-18 PURVES STREET
Long Island City, New York

Prepared For:

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September 27, 2014
170281401

LANGAN

CERTIFICATION

I, Jason J. Hayes, certify that I am currently a NYS registered professional engineer and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Jason J. Hayes

NYS PE No. 089491

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1.0 INTRODUCTION

This Remedial Investigation (RI) Report was prepared on behalf of Purves Development, LLC (the "Volunteer") for the property located at 27-21 44th Drive and 44-18 Purves Street (Tax Block 268, Lots 4 and 23) in the Long Island City neighborhood of Queens, New York (the "Site"). The Site was accepted into the Brownfield Cleanup Program on July 1, 2014. A Site Location Map is provided as Figure 1. This RI Report presents environmental data and findings from remedial investigation conducted from December 2, 2013 through March 14, 2014 and incorporates previous environmental data from October 2013. The objective of this RI is to supplement the existing environmental data to determine, to the extent possible, the nature and extent of contamination in soil, soil vapor, and groundwater. Information presented in this RI Report will be used to evaluate appropriate remedial action alternatives.

The remainder of this report is organized as follows:

- Section 2.0 describes the Site setting and the physical characteristics of the Site.
- Section 3.0 describes the Site background including results of previous investigations and identified potential areas of concern (PAOC).
- Section 4.0 presents the investigation field procedures.
- Section 5.0 describes the field observations and analytical results.
- Section 6.0 presents an assessment of the exposure risks of Site contaminants to human, fish, and wildlife receptors.
- Section 7.0 presents the nature and extent of contamination in all Site media as determined through the field investigation and analysis of environmental samples.
- Section 8.0 summarizes the results of the investigation and presents conclusions based on field observations and analytical results.

2.0 SITE PHYSICAL CHARACTERISTICS

2.1 Site Description

The Site is located at 27-21 44th Drive and 44-18 Purves Street in the Long Island City neighborhood of Queens, New York and includes two contiguous tax lots (Tax Block 268, Lots 4 and 23). The Site is located in an urban area, characterized by commercial and manufacturing buildings and vacant land, on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west.

The approximately 11,500 square-foot Site is developed with a vacant one-story garage/warehouse building with a basement on Lot 4. Lot 23 is vacant and partially covered with a deteriorating concrete slab that has been overgrown with vegetation. The sidewalk elevation along Purves Street (east side of the Site) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Site) is approximately 15 feet higher than the sidewalk elevation along Purves Street. A Site location map is provided as Figure 1, and a Site boundary map is provided as Figure 2.

There is an egress easement benefiting Lot 4 providing access to Purves Street across Lot 23. This easement is shown in Figure 2.

2.1.1 Surrounding Property Land Use

The Site is located in an urban setting that is characterized by commercial and manufacturing buildings and vacant land. The surrounding property usage is summarized below:

DIRECTION	ADJACENT PROPERTIES	SURROUNDING PROPERTIES
North	A two-story commercial building identified as "JME Enterprises, Inc." and "L.I.C Auto Repair" and a one-story commercial building identified as "Queens Plaza Automotive Warehouse"	Multi-story residential/commercial buildings with ground-level commercial space
South	Vacant lots	Multi-story residential/commercial buildings and vacant lots
East	Purves Street and a two-story commercial building identified as "Sculpture Center"	Multi-story residential/commercial buildings and vacant land

DIRECTION	ADJACENT PROPERTIES	SURROUNDING PROPERTIES
West	One-story garage identified as "Global Auto Electric d/b/a Manny Auto Electric"	Multi-story residential/commercial buildings with ground-level commercial space

Land use within a half mile of the Site is highly urbanized and include cross streets, subway tunnels, and park land. There are no sensitive receptors such as schools, hospitals, or day care centers within 500 feet of the Site.

Due to the highly urbanized setting, major infrastructure (storm drains, sewers, and underground utility lines) exists within the streets surrounding the Site (44th Drive, Purves Street, Jackson Avenue). The presence of infrastructure may influence contaminant migration from some of the potential up-gradient sources. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 200 feet north of the Subject Property.

The nearest ecological receptor is the Dutch Kills Lateral Canal, which is located approximately 0.25 miles south of the Site.

2.1.2 Topography

The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The surface of lot 23 ranges from approximately el 7.5 (in the western portion of lot 4) to el. 9.2 (in the eastern portion of lot 4). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 10 feet higher than the sidewalk elevation along Purves Street. The first floor of the Lot 4 building is roughly at the same elevation as the 44th Drive sidewalk. The Lot 4 basement level top of slab is at approximately el 6.5.

2.1.3 Surface Water and Drainage

No stormwater drains were observed on the Site. Infiltration of on-Site precipitation to the water table is likely minimal within the footprint of the existing building in the western portion of the Site (Lot 4); however, the eastern portion of the Site does not contain a continuous impervious cover and infiltration to the water table is likely. The majority of runoff drains to city sewers. Rainwater that does infiltrate the ground percolates downwards towards the water table and joins the anticipated regional flow, which is estimated to flow west and southwest into the East River and Newtown Creek. However, based on our Site groundwater gauging, localized groundwater is estimated to flow towards the north and northeast.

2.2 Geologic Conditions

2.2.1 Regional Geology

The Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York and Parts of Bergen and Hudson Counties New Jersey, by Charles A. Baskerville (1994) indicate that the Site is underlain by bedrock of the Cambrian-Ordovician Hartland formation, which consists of inter-bedded mica schist, gneiss, and amphibolite. According to Langan's experience completing geotechnical investigations in this area, depth to bedrock is approximated at 50 to 70 feet bgs. The general subsurface condition in this area is estimated to consist of fill, underlain by medium, well-graded sand with various amounts of silt, cobbles, and boulders, to the top of bedrock.

2.2.2 Site Geology

Lot 4 is covered with a concrete building basement slab and Lot 23 is partially covered with a deteriorating concrete slab that has been overgrown with vegetation. Beneath the Site surface, material was observed to be urban fill predominately comprised of medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal. The urban fill layer extends to approximately 8 to 11 feet below grade surface (bgs) in Lot 23 and 5 to 11 feet bgs in Lot 4. Beneath the fill was a gray-brown to gray-black silt or clay with some silt, trace fine sand, and trace organics. Environmental borings terminated at maximum depths up to 18 feet bgs. Bedrock was not encountered during the RI, but is estimated to range from 50 feet to 70 feet bgs based on Langan's experience conducting geotechnical investigations in the neighborhood.

2.3 Hydrogeologic Conditions

2.3.1 Regional Hydrogeology

The "hydrologic cycle" describes the movement of water through the environment, including the air, ground and surface water bodies. Within the ground, water ("groundwater") is contained within the unconsolidated geologic materials and fractured bedrock. The upper surface of the groundwater reservoir is marked by the water table surface, which fluctuates seasonally, in response to precipitation events and tides (along shorelines). The overburden deposits typical to the project area can have low to moderate hydraulic conductivities. The bedrock is relatively impermeable except where concentrations of fractures, faults or joints are present. Preferential flow occurs through the more permeable zones of the overburden, such as individual sand or gravel layers, and through bedrock fractures and joints. Groundwater depth

and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, utilities, and coverage by impervious surfaces. Groundwater in New York City is not used as a potable (drinking) water source. Residents of New York City receive their drinking water supply from surface reservoirs located in upstate New York.

Based on the proximity to the East River and Newtown Creek, the inferred regional groundwater flow direction for the area surrounding the Site is to the west and southwest. However, Historical USGS Topographic Quadrangle Maps (1900 and 1924)) show that a creek/river that fed the Newtown Creek to the south historically existed immediately to the northeast of the Site.

2.3.2 Site Hydrogeology

The most recent synoptic groundwater measurements were collected from seven on-Site and two off-Site wells during the March 14, 2104 gauging event. Based on these measurements, groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 (7.95 to 3.26 feet bgs). Based on a groundwater contour map derived from the March 2014 measurements, localized groundwater flow is estimated to flow north to northeast. Groundwater elevation data recorded during the environmental investigation is summarized in Table 1.

Wetlands on or near the Site were evaluated by reviewing the National Wetlands Inventory and NYSDEC regulated wetlands. There are no wetlands on or adjacent to the Site. The nearest wetland is Dutch Kills Lateral Canal which is located approximately 0.25 miles south of the Site.

3.0 SITE BACKGROUND

3.1 Site Developmental History

Available records indicate that the property has been developed since as early as 1889. The Site is located in a densely developed urban area. Lots 4 was improved with one-story buildings, from at least 1941, that extended onto off-Site Lot 22. The structure on Lot 23 was demolished circa 1970 and the lot has been used for storage or been vacant ever since. Off-Site Lot 22 was improved with a multiple-story building between 1924 and 2006.

Historic use of Lot 4 includes a garage with gasoline filling pump island, paper warehouse and photo chemical warehouse. Lot 4 contains a potential gasoline underground storage tank (UST) in the basement of the building. Historic use of Lot 23 and off-Site Lot 22 includes manufacturing, labs, leather goods business, and plating equipment business. In general, historic use of the Site involves the storage, application, and disposal of hazardous substances.

Lot 4 is subject to NYSDEC review under the Spills Program (Spill No. 1302045, reported on May 29, 2013).

3.2 Previous Investigation Reports

Available environmental reports are included in Appendix A and summarized in chronological order below.

October 2013, Phase II Subsurface Investigation Report, prepared by Environmental Business Consultants (EBC)

This subsurface investigation was conducted to investigate environmental conditions identified in an October 2011 Phase I ESA prepared by EBC for Lot 4 and to investigate general environmental conditions on Lot 23. The October 2011 Phase I was not available for review. The Phase II report included a brief summary of the 2011 Phase I ESA which identified previous Site uses including: a photo chemical warehouse, garage with a gasoline tank, paper warehouse, metal plating facility, welding and repair shop, leather goods building. The suspected gasoline UST on Lot 4 was identified as a Recognized Environmental Concern (REC).

The Phase II investigation included collection and analysis of soil and groundwater samples. Observations and laboratory results are summarized by media type below.

- Soil – Petroleum staining and odor was identified in the vicinity of the underground tanks on southwestern side of Lot 4. Field screening with a photoionization detector (PID) found readings up to 300 ppm. Additionally, elevated concentrations of petroleum volatile organic compounds (VOC) were detected within one soil sample collected adjacent to the tanks; however, only n-propylbenzene was reported above NYSDEC Unrestricted Use Soil Cleanup Objectives (SCO). Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned. Soil samples collected on Lot 23 and off-Site Lot 22 identified detections of chlorinated VOCs; however, chlorinated concentrations were below New York State's Unrestricted Use SCOs. Metals were not analyzed as part of this investigation.
- Groundwater – Chlorinated VOCs were identified in groundwater above New York State groundwater standards. Tetrachloroethene (PCE) concentrations ranged from non-detect on-Site along the southwestern portion of the Site to 950 µg/L off-Site in the northeastern portion of off-Site Lot 22. Trichloroethene (TCE) concentrations ranged from non-detect on-Site along the southwestern portion of the Site to 150 µg/L off-Site in the northeastern portion of off-Site Lot 22. Additionally, several petroleum VOCs and SVOCs were identified above New York State groundwater standards in the vicinity of the suspected tank in Lot 4.

January 13, 2014 Phase I ESA prepared by Langan

A Phase I ESA was conducted in accordance with requirements of ASTM 1527-05 and 1527-13. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report followed the current ASTM 1527-13 terminology. The report identified the following RECs:

- REC 1 – Historic Site Use - Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lots 23 and off-Site Lot 22 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, off-Site Lot 22 is shown as welding and repairs with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances.
- REC 2 – Documented Site Contamination - Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum volatile organic compounds (VOC) were

detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater.

- REC 3 – NYSDEC Spill and Potential On-Site Underground Storage Tank - A gasoline UST is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and a previous report indicated the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 1302045 was assigned.
- REC 4 – Surrounding Property Use - Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works, drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. A Brownfield Cleanup Program site with documented soil and groundwater contamination was identified on the adjacent property to the south of the Site. The BCP site is shown on Figure 3. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Additionally, a Voluntary Cleanup Program site contaminated with creosote, petroleum and solvents was identified approximately 1,400 feet northeast of the Site.

3.3 Summary of Potential Areas of Concern (PAOC)

Based on the Phase I ESA and October 2013 Phase II Subsurface Investigation, the following potential areas of concern (PAOC) were identified:

1. Known VOC and SVOC Groundwater Impacts: The October 2013 investigation found chlorinated solvent impacts (e.g., PCE and TCE) to groundwater along the northwestern border near Purves Street. Chlorinated solvent groundwater concentrations seem to indicate an off-Site source (off-Site groundwater concentrations are higher than on-Site concentrations); however, based on the historic use of the lots for manufacturing, leather goods and plating equipment, it is possible that there are impacts related to Site

operations. Analytical results from the October 2013 investigation also found groundwater exceedances of petroleum-related compounds in Lot 4.

2. Potential Underground Storage Tank (UST) and Petroleum-Impacted Soil in the Western Portion of Lot 4: Petroleum-impacted material was identified through field observations of staining and odor, and analytical results during the October 2013 subsurface investigation. The petroleum-impacted material was identified on the west side of Lot 4 in the area of a suspected UST.

3. Potential Soil Vapor Contamination: Analytical results found petroleum and chlorinated-solvent related VOCs in the Site subsurface at concentrations in excess of the ambient air sample. The VOCs are a potential source of soil vapor impacts on the Site.

4. Urban Fill: Fill was identified across the Site and may contain contaminant (e.g., VOC, SVOCs, metals, and PCB) concentrations above Part 375 Restricted Residential Use SCOs.

4.0 REMEDIAL INVESTIGATION

The remedial investigation was completed in two sampling events between December 2 and 13, 2013 and March 7 and 14, 2014. The objectives of the remedial investigation were to further investigate the PAOCs identified at the Site. The RI included soil, groundwater, and soil vapor sampling and analysis. A summary of samples collected during the RI is provided in Table 2.

The RI consisted of the following:

- Advancement of fifteen soil borings (EB01 through EB06 and SB01 through SB09) and collection of 34 soil samples, including two duplicate samples
- Collection of eleven groundwater samples, including two duplicates, from monitoring wells (MW01, MW02, MW03, MW06, MW07, MW08, MW09, MW10, and MW11)
- Survey of groundwater monitoring wells to determine local groundwater flow direction
- Installation of eleven soil vapor probes (SV01 through SV11) and collection of eleven soil vapor samples and two ambient air samples.

Site investigation was conducted in accordance with New York Codes, Rules and Regulations (NYCRR) Title 6 Part 375 (6 NYCRR Part 375), the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010), the NYSDEC Draft Brownfield Cleanup Program Guide (May 2004), and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). Details of the field investigations are described herein. Photo documentation of the RI activities is provided in Appendix C.

4.1 Utility Mark-out

Prior to beginning of the field investigation, the New York One Call Center was contacted for Code 753 utility mark-outs.

4.2 Geophysical Survey and Utility Location

On December 2, 2013, prior to initiating intrusive subsurface activities for the RI, Nova Geophysical Services (Nova) of Douglaston, New York completed a geophysical survey of the Site. Langan was on-Site to document the survey. The survey used ground-penetrating radar

(GPR) to identify potential USTs and locate buried utilities in the vicinity of each boring location. The geophysical survey identified utilities located through the project area and proposed boring locations were relocated to avoid potential utility conflicts. Note that a clear geophysical signal was not possible in the area of the potential gasoline UST due to accumulated water on the basement floor in the western portion of Lot 4 along 44th Drive.

On March 6, 2014, prior to initiating additional subsurface activities for the second sampling event, Nova scanned along the 27-21 44th Drive sidewalk to identify potential USTs and locate buried utilities in the vicinity of boring location EB01/MW08.

The geophysical report is in Appendix B.

4.3 Historic Fill and Soil Investigation

During the RI, fifteen environmental soil borings were advanced to depths of approximately 10 to 18 feet bgs. Nine borings were completed between December 2 and 13, 2014 and six soil borings were completed between March 7 and 14, 2014. Soil samples from each boring were visually classified for soil type, grain size, and texture and screened for visual, olfactory, and instrumental evidence of anthropogenic impacts. Instrument screening for the presence of organic vapors was performed with a hand-held photoionization detector (PID). Following sample collection, all borings not converted to monitoring wells were backfilled with soil cuttings and sand. The surface was restored with a concrete patch. The RI investigation is further detailed below.

4.3.1 Investigation Methodology

The soil investigation included fifteen environmental soil borings (SB01 through SB09 and EB01 through EB06). Boring locations were selected to further evaluate PAOCs. The borings advanced between December 2 and 13, 2013 were completed by Laurel Environmental Associates, Ltd. (Laurel) of Huntington Station, New York and borings advanced between March 7 and 14, 2014 were completed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York. Langan was on-Site to document boring activities and collect samples. Soil borings were completed to depths between 10 and 18 feet bgs using direct-push Geoprobe® 6610DT and 7822DT boring rigs. Boring locations are presented on Figure 5.

Soil samples were collected continuously throughout the depth of each soil boring using 5-foot Macro-Core® sample barrels with new, dedicated acetate liners. Soil samples retrieved from each boring were visually classified for soil type, grain size and texture. Each sample was screened for visual, olfactory and instrumental evidence of anthropogenic impacts. Instrument

screening for the presence of VOCs was performed with a PID equipped with a 10.6electron volt (eV) lamp. Following sample collection, all borings were backfilled with soil cuttings and sand, or were converted to groundwater monitoring wells. Boring logs documenting observations are included as Appendix D.

4.3.2 Sampling Methodology

Seventeen soil samples (one to three samples per soil boring, plus one duplicate sample) were collected during the sampling event between December 2 and 13, 2013. Seventeen soil samples (two to three samples per boring, including one duplicate) were also collected during the sampling event between March 7 and 14, 2014. Generally, one sample was collected from shallow fill (0-2 feet bgs), one sample from the depth interval exhibiting the highest degree of contamination (e.g. staining, odor or elevated PID readings) or at the groundwater interface, and one sample from the boring terminus.

Soil samples were analyzed for NYSDEC Part 375 VOCs by Environmental Protection Agency (EPA) Method 8260, SVOCs by EPA Method 8270, polychlorinated biphenyls (PCB) by EPA Method 8082, pesticides by EPA 8081A, and metals by EPA Methods 6010B/7471A. Samples submitted for VOC analysis were collected directly into EnCore® samplers.

Sample containers were labeled, placed in a laboratory-supplied cooler and packed on ice (to maintain a temperature of 4°C). The coolers were picked up at the end of each day by a laboratory courier provided by the laboratory and transported under standard chain-of-custody protocol to Alpha Analytical, Inc. (Alpha) of Westboro, Massachusetts; a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. Laboratory certifications are provided in Appendix E.

4.4 Groundwater Investigation

A total of nine monitoring wells (MW01 through MW03 and MW06 through MW11) were installed during the RI. MW04 and MW05 were omitted from the number system. Monitoring wells were sampled to investigate potential impacts to groundwater associated with the identified PAOCs. Sample rationale is provided in Table 2.

4.4.1 Monitoring Well Installation and Development Methodology

The monitoring wells extended to approximately 10 to 18 feet bgs and were constructed with one-inch diameter, Schedule 40, polyvinyl chloride (PVC) pipe with five or ten feet of pre-packed, 0.01-inch slotted screens. The monitoring wells were screened across the water table interface to allow for the monitoring of light non-aqueous phase liquid (LNAPL), if present.

Monitoring well screens in the area of the dense non-aqueous phase liquid (DNAPL) impacts (eastern side of Site) were screened to the top of the silt/clay layers to monitor for DNAPL, if present. Clean sand (Morie #2) was generally used to fill the annulus around each pre-packed well screen to a height of approximately one foot above the top of the screened interval. The remainder of the annular space was filled with a layer of hydrated bentonite clay seal (minimum of one foot) followed by soil cuttings or clean sand to near the ground surface. Construction of indoor and sidewalk monitoring wells was completed with a flush-mount, steel well cover set into concrete for protection. Monitoring well locations are shown on Figure 4, and well construction logs are included in Appendix F.

Groundwater monitoring wells were developed after installation. The wells were developed by surging a one inch foot valve across the well screen to agitate and remove fines. The foot valve was surged across the well screen in 2- to 3-foot increments for approximately 2 minutes per increment. After surging, the wells were purged via pumping groundwater through dedicated polyethylene tubing using a peristaltic pump until the water became clear and at least 3 well volumes were removed. Development water was places in labeled drums. Following installation and development, wells were allowed to recover for at least one week before groundwater was purged and sampled.

A Langan field engineer completed synoptic groundwater gauging prior to groundwater sampling on December 10, 2013 and again on March 14, 2014. Groundwater elevations are provided in Table 1. A groundwater iso-contour map based on a synoptic round of measurements collected during the March 2014 sampling event is presented as Figure 4.

4.4.2 Groundwater Sampling

On December 10, 2013 and March 14, 2014, monitoring wells were surveyed by a New York State-licensed surveyor to identify groundwater elevations and groundwater flow direction at the Site. Prior to sampling, the static water level was measured to the nearest 0.01 ft with a decontaminated oil/water interface probe. Groundwater elevations and inferred groundwater flow direction are presented on Figure 4.

A sample was collected from wells MW01, MW02, MW03, MW06 (plus duplicate), and MW07 on December 10, 2013 and from MW08, MW09, MW10, and MW11 (plus duplicate) on March 14, 2014. Sampling was completed in accordance with procedures set forth the EPA's low-flow groundwater sampling procedure to allow for collection of a representative sample ("Low-Flow [Minimal Drawdown]) Ground-Water Sampling Procedures", EPA/540/S-95/504, April 1996. A peristaltic pump and dedicated polyethylene tubing were used to collect the samples. Purging consisted of pumping, at minimum, the stabilized drawdown volume plus the pump's

tubing volume, and waiting until the physical and chemical parameters (e.g., temperature, dissolved oxygen, oxygen reduction potential, turbidity, and hydrogen ion concentration [pH]) stabilized. Groundwater samples were collected directly from the pump discharge line into pre-cleaned, laboratory-provided containers. Groundwater sample logs are included in Appendix F.

The sample containers were labeled, placed in a laboratory-supplied cooler, and packed on ice (to maintain a temperature of 4°C). Sample coolers were picked up at the Site by a laboratory courier and delivered to Alpha under standard chain of custody protocol for analysis of TCL VOCs via EPA Method 8260, TCL SVOCs via EPA Method 8270, PCBs via EPA Method 8082A, pesticides via EPA Method 80801B, and dissolved (filtered) and unfiltered TAL metals via EPA 6000/7000 Series Methods.

4.5 Soil Vapor Investigation

4.5.1 Soil Vapor Installation

Four soil vapor points were installed on December 3, 2013 by Laurel and seven soil vapor points were installed on March 7, 2014 by AARCO. Langan documented installation activities and collected vapor samples. Installation and sampling logs are included in Appendix G. Geoprobe® 6610DT and 7822DT drill rigs were used to create a 2-inch diameter hole. A new, dedicated stainless-steel screen implant/soil vapor probe (3/8-inch in diameter, and approximately 6 inches in length) was threaded to polyethylene tubing (0.313-inch diameter) and lowered to the bottom of the hole. Approximately one or two feet of sand (Morie #2) filter pack was installed around the screen implant by pouring the material into the annulus. The remaining annular space was backfilled to grade with hydrated bentonite. Installation depth for each soil vapor point is documented in logs included in Appendix G. Vapor points beneath the existing Lot 4 slab were installed to depths between one and two feet below the basement slab (rather than "sub-slab soil vapor" points installed immediately below the basement slab) based on proposed development excavation and due to the proximity of the groundwater table. The existing Lot 4 basement slab will be removed during development and remediation. Soil vapor locations are shown in Figure 5.

4.5.2 Air Sampling and Analysis

A pre-sample tracer gas test was performed using helium gas. The helium gas tracer test is a quality assurance/quality control (QA/QC) measure to confirm the integrity of the implant seals by evaluating if surface outdoor air intrusion will impact the soil vapor sample (i.e., that no "short circuiting" has occurred). The helium was introduced into an upside-down five-gallon container over the surface of the sampling location being tested. The edges of the bucket

were sealed to the surface with hydrated bentonite to maintain a high concentration of helium within the container. The sample tubing from the implant was extended out of the probe hole through an air-tight fitting installed on the container and into a real-time helium monitoring instrument. With the sample train activated and drawing air at less than 0.2 liters per minute, the outlet air is monitored using a real-time helium monitoring instrument. A detection of helium would indicate that the seal was compromised and must be replaced. None of the soil vapor sample locations during the RI failed the helium tracer gas test, indicating that all seals were intact.

A MultiRAE gas meter with a flow rate less than 0.2 liters per minute was attached to the polyethylene tubing, and a total volume of at least three times that of the tubing and screen setup was purged. The purged soil vapor was also monitored for VOCs and the value was recorded. After purging was complete, a laboratory-supplied 6-liter Summa canister with a flow controller (with a laboratory-preset flow rate of 0.05 liters per minute) was attached to the polyethylene tubing. Each Summa canister arrived from the lab with approximately 22 to 30 inches of mercury vacuum. Sampling was started by fully opening the canister valve. The sample was collected over a period of approximately 120 minutes. When approximately 6 liters of sample had been collected or the canister pressure dropped below 5 inches of mercury, the sample was stopped by closing the valve.

Two outdoor/ambient air samples were also collected into a 6-liter Summa canister; one for each day of sampling. The soil vapor and ambient air samples were transported from the Site to Alpha by a laboratory-provided courier for analysis of VOCs via EPA Method TO-15. Alpha is an ELAP certified laboratory.

Soil vapor sampling locations are shown in Figure 5. A summary of soil vapor samples collected and associated rationale is provided in Table 2. The soil vapor sampling logs are included in Appendix G. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

4.6 Quality Control Sampling

During the RI, coded field duplicate samples, ambient air samples, and trip blanks were collected and submitted for laboratory analysis. During the course of the investigation, the following quality control samples were collected:

Soil samples

- Two coded field duplicate samples.

Groundwater samples

- Two coded field duplicate samples.
- Two trip blank samples.

Soil Vapor Samples

- Two ambient air samples.

Coded field duplicates were collected to determine the accuracy of the analytical methods. The duplicates were collected from the same material as the primary sample by splitting the volume of sample collected in the field into two sample containers. The samples are termed "coded" because they were labeled in such a manner that the laboratory would not be able to determine that they are duplicate samples. This serves to eliminate possible bias that could arise during analysis. The field duplicates were analyzed for the same parameters as the samples being duplicated.

The trip blank samples were collected to assess the potential for contamination of the sample containers and samples during the trip from the laboratory, to the field, and back to the laboratory for analysis. Trip blanks contain approximately 40 milliliters of acidic water (doped with hydrochloric acid) that is sealed by the laboratory when the empty sample containers are shipped to the field, and unsealed and analyzed by the laboratory when the sample shipment is received from the field. The trip blank samples were analyzed for TCL VOCs.

Field blank samples were not included in the sampling program because new dedicated disposable sampling equipment (e.g., nitrile gloves, laboratory supplied glassware, EnCore sampler, acetate liners, etc.) was used during the investigation.

4.7 Data Validation

The RI data was sent to a third party data validator for review in accordance with the EPA validation guidelines for organic and inorganic data review. The DUSRs are included in Appendix I.

4.7.1 Data Usability Summary Report Preparation

A data usability summary report (DUSR) will be prepared for each SDG following data validation. The DUSRs will be reviewed by the Quality Assurance Officer (QAO). The DUSR will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and COC procedures, and a summary assessment of precision, accuracy,

representativeness, comparability, and completeness for each analytical method. For each of the organic analytical methods, the following will be assessed:

- Holding times;
- Instrument tuning;
- Instrument calibrations;
- Blank results;
- System monitoring compounds or surrogate recovery compounds (as applicable);
- Internal standard recovery results;
- MS and MSD results;
- Target compound identification;
- Chromatogram quality;
- Pesticide cleanup (if applicable);
- Compound quantization and reported detection limits;
- System performance; and
- Results verification.

For each of the inorganic compounds, the following will be assessed:

- Holding times;
- Calibrations;
- Blank results;
- Interference check sample;
- Laboratory check samples;
- Duplicates;
- Furnace atomic absorption analysis QC;
- ICP serial dilutions; and
- Results verification and reported detection limits.

Based on the results of data validation, the validated analytical results reported by the laboratory will be assigned one of the following usability flags:

- "U" - Not detected at given value;

- "UJ" - Estimated not detected at given value;
- "J" - Estimated value;
- "R" - Result not useable; and
- No Flag - Result accepted without qualification.

4.8 Field Equipment Decontamination

Macro-Core® sample barrels used during the RI were cleaned with Alconox and rinsed with water at the start of work, between holes, and at the completion of the work. Direct contact of sampling equipment with the ground was avoided. Groundwater sampling equipment including interface probe, water quality meters, and sampling pump were also cleaned with Alconox and rinsed with water between sampling locations during groundwater sample collection.

Decontamination occurred at the sampling locations, and all liquids were temporarily contained in pails, buckets, etc. Decontamination wastewater was drummed for disposal.

4.9 Investigation-Derived Waste Management

All investigation-derived wastes (IDW) generated during the RI were containerized. Drill cuttings were used to backfill soil borings. Aqueous waste from monitoring well development and purging and decontamination water were placed into four UN/DOT-approved 55-gallon steel drums with closed tops. The drums were staged in a secured area on-Site pending off-Site disposal.

5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

This section summarizes the comprehensive field observations and laboratory analytical results for the Site during the RI. Soil analytical results are compared to the Part 375-6.8(a) Unrestricted Use SCOs and Restricted Residential Use SCOs. Groundwater analytical results are compared to the Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA groundwater. Soil vapor results are compared to ambient air concentrations that were measured at the time of soil vapor sampling. The nature and extent of the Site contamination are discussed separately in Section 7.0.

Investigation locations for the Site include fifteen soil borings, nine monitoring wells, and eleven soil vapor points

Samples collected from these investigation locations include:

- Soil
    - 34 samples analyzed for Part 375 VOCs, SVOCs, metals, PCBs, and pesticides
- Groundwater
    - Eleven samples analyzed for VOCs, SVOCs, total and dissolved metals, PCBs, and pesticides
- Soil Vapor
    - Eleven samples analyzed for VOCs

Investigation locations are shown on Figure 5, and a summary of the soil, groundwater, and soil vapor samples is provided in Table 2.

The following sections describe the field observations and analytical data associated with the RI.

5.1 Geology and Hydrology

Provided below is a description of the stratigraphic layers and hydrogeology observed in the Site subsurface. A groundwater contour map is provided as Figure 4.

5.1.1 Urban Fill

A layer of urban fill ranging from about 8 to 11 feet bgs was encountered in borings within Lot 23. Fill was identified to depths of 5 to 11 feet bgs in Lot 4. This layer generally consisted of

medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal fragments.

5.1.2 Native Soil Layers

The fill is underlain by a layer of gray-brown to gray-black silt or clay layer with some silt, trace fine sand, and trace organics. This layer was encountered below the fill layer and extended to at least 18 feet bgs.

5.1.3 Bedrock

Bedrock was not encountered during the RI; however, the depth to bedrock in this area is estimated to range from about 50 to 70 feet bgs based on Langan's experience. Bedrock is anticipated to consist of predominantly hard sound gray schist.

5.1.4 Hydrogeology

Synoptic groundwater measurements were collected from seven on-Site and two off-Site wells on December 10, 2013 and March 14, 2014. Based on the most recent measurements, groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 Queens Highway Datum. Based on a groundwater contour derived from the March 2014 measurements, groundwater is estimated to flow north to northeast. A map showing groundwater elevations, contours and inferred flow lines is provided as Figure 4. Water level data for all monitor wells is included in Table 1.

5.2 Soil Findings

5.2.1 Field Observations

Staining was observed in EB02 near the location of the existing UST. Petroleum odors were observed in EB02 and organic odors were observed in SB06, SB08, EB01, EB02, EB03, and EB04. PID readings above background were observed between 0.5 parts per million (ppm) in SB04 and 707.9 ppm in SB02.

Maximum PID readings per boring are included in the table below:

Soil Boring ID (feet bgs)	Observed Fill Interval (feet bgs)	Highest Observed PID Interval (feet bgs)	Max PID Reading (ppm)
SB01	0 to 10	11 to 12	421.8
SB02	0 to 10	11 to 12	707.9
SB03	0 to 12	-	0.0
SB04	0 to 11	10 to 11	0.5

Soil Boring ID (feet bgs)	Observed Fill Interval (feet bgs)	Highest Observed PID Interval (feet bgs)	Max PID Reading (ppm)
SB05	0 to 10	1 to 2	3.1
SB06	0 to 6	5 to 6	24.2
SB07	0 to 5	5 to 6	5.1
SB08	0 to 10.5	10 to 11	5.3
SB09	0 to 6.5	5 to 6	27.1
EB01	0 to 15	-	0.0
EB02	0 to 11	8 to 9	6.7
EB03	0 to 7	-	0.0
EB04	0 to 5	-	0.0
EB05	0 to 12	12.5 to 13.5	40.0
EB06	0 to 7	6.5 to 7.5	21.7

5.2.2 Analytical Results

Thirty-five soil samples, including two duplicates, were collected during the RI. All soil samples were analyzed for Part 375 VOCs, SVOCs, PCBs, metals, and pesticides. A summary of laboratory detections for soil samples collected with comparison to Unrestricted Use SCOs and Restricted Residential Use SCOs is provided in Table 3. SCO exceedances are shown on Figure 6. Full laboratory reports are included in Appendix H.

The following is a summary of SCO exceedances organized by analytical parameter. Unrestricted Use SCO exceedances are listed below and compounds that exceed Restricted Residential Use SCOs are **bold**. Note: * indicates that exceedances were only detected at an off-Site location.

VOCs

- acetone (not a contaminant of concern)

SVOCs

- phenol
- **benzo(a)anthracene**
- **benzo(a)pyrene**
- **benzo(b)fluoranthene**
- benzo(k)fluoranthene
- **chrysene**
- **indeno(1,2,3-cd)pyrene**
- **dibenzo(a,h)anthracene**
- 3-methylphenol/4-methylphenol

Metals

- **arsenic**
- **barium**
- hexavalent chromium
- **trivalent chromium**
- **copper**
- **manganese**
- nickel
- silver
- **lead**
- **mercury**
- selenium
- zinc

PCBs

- Aroclor 1260

Pesticides

- No pesticides exceedances.

5.3 Groundwater Findings

5.3.1 Field Observations

No free product or sheen was observed on groundwater during the RI; however, petroleum odors and elevated PID readings were observed at monitoring well MW09. PID headspace readings ranged from 0.0 ppm to 112 ppm (highest reading in monitoring well MW09) during the groundwater sampling events. Refer to section 5.1.4 for a discussion of hydrogeology.

5.3.2 Analytical Data

Nine groundwater samples, one sample per well, and two duplicate samples were collected. All groundwater samples were analyzed for VOCs, SVOCs, metals, pesticides, and PCBs. A summary of laboratory detections for groundwater samples collected during the RI with comparison to NYSDEC TOGS 1.1.1 AWQS for Class GA groundwater is provided in Table 4. Groundwater exceedances are shown on Figure 7. Full laboratory reports are included in Appendix H.

The following is a summary of exceedances organized by analytical parameter. Note: * indicates that exceedances were only detected at an off-Site location.

VOCs

- 1,1,1-trichloroethane
- 1,1-dichloroethane*
- 1,2,4-trimethylbenzene
- cis-1,2-dichloroethene
- isopropylbenzene
- n-butylbenzene
- n-propylbenzene
- sec-butylbenzene
- PCE
- toluene
- TCE
- vinyl chloride*

SVOCs

- benzo(a)pyrene
- indeno(1,2,3-cd)pyrene
- benzo(b)fluoranthene
- phenol
- 1,2-dichlorobenzene*
- 1,3-dichlorobenzene*

Dissolved Metals

- chromium*
- iron
- manganese
- selenium*
- sodium

Pesticides

- alpha-BHC

PCBs

- No PCBs were detected.

5.4 Soil Vapor Findings

Eleven soil vapor samples and two ambient air sample were collected over two days during the RI and were submitted for laboratory analyses of VOCs. Soil vapor analytical results were compared to ambient air collected during each day of sampling. A summary of laboratory results for each day of soil vapor sampling is provided in Table 5A and 5B. Full laboratory reports are included in Appendix H.

Total VOCs ranged from 181.11 µg/m^3 in SV02 to 2,563.02 µg/m^3 in SV10. During the December 10, 2013 sampling event, VOCs detected at greater concentrations in soil vapor than ambient air include. Note: * indicates that exceedances were only detected at an off-Site location.

- 1,1,1-trichloroethane
- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- 1,3-butadiene
- chloroform
- cyclohexane
- methyl tert butyl ether
- o-Xylene
- PCE
- carbon tetrachloride*
- 2,2,4-trimethylpentane
- 2-butanone
- 4-ethyltoluene
- 4-methyl-2-pentanone
- ethanol
- ethylbenzene
- methylene chloride
- p- & m- xylenes
- TCE
- acetone
- benzene
- carbon disulfide
- tetrahydrofuran
- heptane
- isopropanol
- n-hexane
- propylene
- toluene

During the March 7, 2014 sampling event, VOCs detected at greater concentrations in soil vapor than ambient air include:

- 1,1,1-trichloroethane
- 1,1-dichloroethane
- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- 1,3-butadiene
- 2-butanone
- ethylbenzene
- isopropanol
- 4-ethyltoluene
- 4-methyl-2-pentanone
- acetone
- benzene
- bromomethane
- carbon disulfide
- Freon-113
- n-hexane
- carbon tetrachloride
- chloroform
- cyclohexane
- 2-Hexanone
- ethanol
- ethyl acetate
- heptane
- o-xylene

- p/m-xylene
- PCE
- TCE
- 4-Ethyltoluene
- styrene
- tetrahydrofuran
- trichlorofluromethane
- tertiary butyl alcohol
- toluene
- vinyl chloride

PCE, TCE and benzene, toluene, ethylbenzene and xylene (BTEX) were detected in the soil vapor samples at greater concentrations than the ambient air sample and are considered the primary soil vapor contaminants of concern. PCE was found in all soil vapor samples, including ambient air, except for SV05 and ranged from 2.04 µg/m^3 (SV04) to 652 µg/m^3 (SV10). At soil vapor point SV10, PCE was detected at a concentration 153 times greater than ambient air and BTEX was detected at a concentration of 1,323.9 µg/m^3 (229 times greater than ambient air). TCE was found in three soil vapor samples and ranged from 11.1 µg/m^3 (SV01) to 54.8 µg/m^3 (SV10). A map showing soil vapor sample locations and results is provided as Figure 8.

5.5 Quality Control Results

Quality control sample results were verified during data review. Two duplicate samples were collected from soil and two from groundwater. Two trip blanks were collected and analyzed. Laboratory results for duplicate samples are presented in Table 3 and 4. Full laboratory reports are provided in Appendix H.

5.6 Data Usability

Data validation will be performed by a third party in accordance with the EPA validation guidelines for organic and inorganic review using Analytical Services Protocol Category B laboratory reports provided by Alpha.

5.7 Evaluation of Potential Areas of Concern

This section discusses the results of the RI with respect to the PAOCs identified at the Site prior to the start of the RI. The PAOCs are described in detail in Section 3.3.

5.7.1 PAOC-1: Known Groundwater Impacts

PAOC-1 Findings Summary

Groundwater exceedances of petroleum-related compounds were identified on the western side of Lot 4 (near the potential UST) and on the northeastern side of Lot 4 on the border shared with off-Site Lot 22. Chlorinated solvent groundwater impacts (PCE and TCE) were identified along the northeastern border near Purves Street. Chlorinated solvent groundwater concentrations were highest in MW1, the off-Site and most eastern monitoring well. Concentrations of chlorinated solvents in the groundwater decreased towards the west. In addition, soil samples did not indicate elevated levels of contaminants relating to the chlorinated solvents. This indicates a potential off-Site source.

Other groundwater impacts from SVOCs (only found off-Site in MW01) and metals (iron, manganese, sodium and selenium) are attributed to regional conditions and the general quality of fill in this area of New York City.

PAOC-1 Conclusions

Groundwater in the northeast portions of Lot 23 is impacted with PCE and TCE, with the highest concentrations found off-Site along Purves Street. The data shows there is an off-Site source. Groundwater in the western and northern portions of Lot 4 and likely the western portion of Lot 23 is impacted with petroleum-related compounds. Petroleum is likely related to historic Site operations and the potential UST. Groundwater in the central portion of off-Site Lot 22 is impacted with chromium. The off-Site chromium exceedance in groundwater may be the result of Site activities including manufacturing, labs, leather goods business, and plating equipment business. Other groundwater impacts from SVOCs and metals were found at one or more locations throughout the Site and are attributed to regional conditions.

5.7.2 PAOC-2: Potential UST and Petroleum Impacted Soil in the Western Portion of Lot 4:

PAOC-2 Findings Summary

Based on historic Sanborn maps, a potential gasoline UST was identified in the western portion of Lot 4. The geophysical survey performed on December 2, 2013 identified utilities located throughout the project area; however, a clear geophysical signal was not possible in the area of the potential gasoline UST due to accumulated water on the basement floor. A concrete patch, approximate 4 ft x 9 ft, was identified in the vicinity of the suspected UST. On March 7, 2014, during advancement of EB02 (adjacent to potential UST), refusal was encountered at the original proposed boring location at approximately 8 inches below grade within the existing concrete slab. In the bottom of the drilling shoe, petroleum odor and elevated PID readings up to 150.0 ppm were observed.

Petroleum-impacted material was identified through field observations of staining, odor, and elevated PID readings within boring EB02. EB02 was installed within the approximate location

of the existing UST. Staining, odors, and elevated PID readings were observed within approximately 5 to 10 feet bgs of EB02. Analytical results also indicate petroleum-impacted material within the vicinity of the potential UST. Petroleum-related VOC and SVOC exceedances were detected in soil, soil vapor and/or groundwater. The RI findings are consistent with previous Site investigation that resulted in a spill reporting to NYSDEC (Spill No. 1302045)

PAOC-2 Conclusions

Field observations indicate a petroleum release from the suspected UST adjacent to boring EB02. Analytical results from samples collected near the suspected tank (western portion of lot 4) found VOC and SVOC impacts in soil, soil vapor and/or groundwater. Petroleum impacts appear to be delineated because impacts were not observed in the 44th Drive sidewalk boring and groundwater monitoring well.

5.7.3 PAOC-3: Potential Soil Vapor Contamination

PAOC-3 Findings Summary

Eleven soil vapor samples (SV01 through SV11) were collected throughout the Site to investigate potential impacts to soil vapor.

Soil vapor analytical results were compared to ambient air collected on each day of sampling. Several VOCs, including petroleum and chlorinated-solvent related VOCs, exceeding the background concentrations were detected in all soil vapor samples throughout the Site. Maximum soil vapor concentrations (SV10) were identified for PCE at 652 µg/m^3 (153 times greater than ambient air), TCE at 54.8 µg/m^3 (51 times greater than ambient air) and BTEX at 1,323.9 µg/m^3 (229 times greater than ambient air).

PAOC-3 Conclusions

Soil vapor at the Site contains VOCs, most notably petroleum and chlorinated-solvent related VOCs, at concentration in excess of the ambient air samples collected. The highest soil vapor concentrations were identified in the eastern portion of the Site along Purves Street, corresponding to the location of elevated chlorinated concentrations in groundwater.

5.7.4 PAOC-4: Urban Fill:

PAOC-4 Findings Summary

Samples from the urban fill layer, potentially historic fill, contained VOC, PCB, SVOCs, and metals above Unrestricted Use SCOs. SVOC and metal concentrations exceeded Restricted Residential Use SCOs.

PAOC-4 Conclusions

Anomalously high concentrations of lead exceeding Restricted Residential Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout lot 4 and the southwest portion of lot 23. Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23.

6.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

6.1 Human Health Exposure Assessment

Site Setting

Human health exposure risk was evaluated for both current and future Site and off-Site conditions, in accordance with the May 2010 NYSDEC Final DER-10 Technical Guidance for Site Investigation and Remediation. The assessment includes an evaluation of potential sources and migration pathways of Site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

Current Conditions

The Site is comprised of two lots; Lots 4 and 23. Lot 4 is improved with a vacant one-story commercial building with garage/warehouse. Lot 23 is vacant and partially covered with a deteriorating concrete slab that has been overgrown with vegetation.

Proposed Conditions

The proposed development includes demolition of existing Site building and construction of a multi-story, residential building, which will encompass the entire footprint of the Site. Construction may require excavation of soil and fill material in select locations up to a maximum depth of four feet to accommodate foundation components. General excavation for development is not expected below the groundwater table. Additional excavation may be required to remediate the Site.

Summary of Environmental Conditions

Soil/fill samples found VOCs, PCBs, and several SVOCs and metals that exceed their respective Unrestricted Use SCOs, with SVOCs and metals above Restricted Residential Use SCOs. Soil contaminants of concerns (COC) include VOCs, SVOCs, PCBs and metals.

Several SVOC exceedances were detected in EB02, EB04, SB03, SB06, SB07, SB08, and SB09. Metal exceedances were detected in EB01 (off-Site boring on the 44th Drive sidewalk), EB02, EB03, EB04, EB06, SB05, SB06, SB07, SB08, and SB09. The PCB, Aroclor 1260, was detected in SB02.

Groundwater samples showed concentrations of VOCs, SVOCs, pesticides and metals which exceeded their respective TOGS AWQS throughout the Site. Chlorinated solvents (PCE and TCE) in groundwater were reported at the highest concentrations in off-Site monitoring well MW01 in the Purves Street sidewalk. The highest on-Site concentrations of chlorinated

solvents were found in MW02, along the eastern border near Purves Street. Chlorinated solvent groundwater concentrations seem to indicate an off-Site source (off-Site groundwater concentrations are higher than on-Site concentrations). VOC and SVOC exceedances of petroleum-related compounds were found within groundwater in Lot 4 and on the border between Lot 4, Lot 23, and off-Site Lot 22. Metal exceedances were reported throughout the Site. One pesticide exceedance, Alpha-BHC, was detected in MW06.

Soil vapor samples revealed the presence of several VOCs, including petroleum and chlorinated-solvent related VOCs.

Conceptual Site Model

A conceptual Site model has been developed based on the findings of the RI. The purpose of the conceptual Site model is to develop a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways, as discussed below.

Potential Sources of Contamination

Potential sources of contamination at the Site have been identified in Section 3.3 and are based on investigations completed for the Site. The potential sources of contamination were identified as historic use of the Site, potential UST, groundwater contamination (likely from an off-Site source), and urban fill.

Exposure Media

The impacted media includes soil, soil vapor, and groundwater. Analytical data indicates that the fill material underlying the Site is contaminated with a VOC, PCB, SVOCs and metals. Groundwater impacts include a pesticide, VOCs and metals. Soil vapor across the Site is contaminated with VOCs.

Because VOCs are present at elevated concentrations in soil vapor, there is potential, in the absence of remediation, engineering and/or institutional controls, for vapors to accumulate under the proposed building slabs and impact indoor air within the proposed building.

Receptor Populations

Lot 4 is currently vacant and capped with asphalt and concrete. The lot 4 building is locked. Lot 23 and off-Site Lot 22 are vacant and partially capped with deteriorating concrete and overgrown with vegetation. The owner is currently pursuing fencing to enclose Lot 23 in preparation for development. Human receptors are limited to occasional Site visitors and workers involved in pre-development (e.g., investigation) activities. The entire Site will be enclosed with fencing during development by the contractor. During development, human

receptors are limited to construction and remediation workers; authorized guests such as regulators, consultants and clients visiting the Site and the public adjacent to the Site. Under future conditions, receptors will include the new building tenants, workers, and visitors to the residential properties including children.

Potential Exposure Pathways – On-Site

Current Conditions

Soil at the Site has been shown to be contaminated. The Site surface cover is composed of concrete (building slab) in Lot 4 and Lot 23 is partially capped with deteriorating concrete and overgrown with vegetation. There is a potential exposure pathway if the Site surface cover is penetrated (e.g., during Site investigation when boring or test pit excavations are performed). The potential pathway is through dermal absorption, inhalation and ingestion. Activity is limited to authorized guests.

Groundwater at the Site has been shown to be contaminated. Groundwater in New York City is not used as a potable water source. There is a potential exposure pathway during groundwater sampling associated with Site investigation. The potential pathway is through dermal absorption, inhalation and ingestion. Activity is limited to authorized guests.

Soil vapor at the Site has been shown to be contaminated. There is a potential exposure pathway during soil vapor sampling associated with Site investigation. The potential pathway is through inhalation. Activity is limited to authorized guests.

Construction/Remediation Condition

Construction and remediation activities at the Site may result in potential exposures to Site contaminants. Construction and remedial activities include construction of foundation components and excavation and removal of impacted soil and exposure to groundwater during potential dewatering. Therefore, the potential exists for exposure of soil and groundwater COCs to construction and remediation workers via dermal absorption, ingestion, and inhalation. In addition, activities may result in exposure to the public adjacent to the Site through potential generation and off-Site migration of dust or vapor containing Site COCs.

Soil vapor results indicated the presence of VOCs; therefore, the potential exists for construction and remediation workers to be exposed to soil vapor COCs via inhalation. Activities may also result in exposure to the public adjacent to the Site through volatilization of vapors into the air and potential off-Site migration.

Proposed Future Conditions

The proposed development is anticipated to include a multi-story, residential building that will encompass the entire footprint of the Site. Upon completion of the new development, the Site will be capped with the concrete building foundation. This barrier will prevent direct exposure to impacted soil and groundwater that may be left in place; therefore the pathway will not be complete.

There is no pathway for ingesting groundwater COCs, since the Site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater; therefore, the groundwater will not be pumped from wells or intended for consumption.

The presence of VOCs in the soil, groundwater, and soil vapor creates potential, in the absence of remediation, engineering and/or intuitional controls, for VOC vapors to volatilize and potentially accumulate in the proposed building and impact future users. Points of exposure include potential cracks in the foundation or lower-level slab of the proposed development. Routes of exposure may include inhalation of vapors entering the building.

Potential Exposure Pathways – Off-Site

Soil has the potential to be transported off-Site by wind in the form of dust or on the tires of vehicles or equipment leaving the Site during development and remediation activities. Other identified exceedances are considered unlikely to have a potential off-Site exposure pathway. Metals and SVOC impacts to groundwater are attributed to historic fill or regional groundwater quality and are not considered a localized concern. TCE and PCE impacts to groundwater in the northeast corner of the Site are likely from an off-Site source, as detailed in Section 5.7.1. Petroleum impacts in Lot 4 do not appear to be migrating off-Site based on the soil boring and groundwater well in the 44th Drive sidewalk.

Evaluation of Human Health Exposure

Based upon the conceptual Site model and the review of environmental data, complete on-Site exposure pathways appear to be present based on the current, construction and remediation, and future conditions. The complete exposure pathways indicate there is a risk of exposure to humans from Site contaminants via exposure to soil, soil vapor, and groundwater.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the Site is provided below.

Current Conditions

Contaminant sources include urban fill with varying levels of SVOCs and metals, one VOC and PCB, a potential abandoned UST and petroleum impacts to soil and groundwater, TCE and PCE in groundwater, and PCE, TCE, BTEX and other VOCs in soil vapor.

Contaminant release and transport mechanisms include contaminated soil transported as dust or disturbed during excavation (dermal, ingestion), volatilization of contaminants from the soil and groundwater matrices to the soil vapor phase (inhalation), and existing soil vapor contaminants (inhalation).

The point and route of exposure and receptor population is authorized guests and investigation personnel ingesting, inhaling or coming into contact with contaminated soil, groundwater and soil vapor.

Under current conditions, the likelihood of exposure to humans is limited, as the Site surface cover generally prevents contact with soils, groundwater is not currently accessible, and soils are not currently being disturbed except during investigation. In addition, the existing building on Lot 4 is kept locked and activity is limited to authorized guests.

All five elements exist; therefore, completed exposure pathways are present. However, the risk can be minimized by maintaining Site security, and monitoring and wearing the appropriate personal protective equipment during investigation activities. Potential exposures would be of short duration limited only to intrusive activities. In accordance with a Health and Safety Plan and a Community Air Monitoring Plan, measures such as conducting an air-monitoring program, donning personal protective equipment, and applying vapor and dust suppression measures to prevent off-Site migration of contaminants during investigation will be implemented. Such measures would prevent completion of these potential migration pathways.

Construction/Remediation Activities

During development and remediation activities, the contaminant sources are the same as for current conditions. Points of exposure include disturbed and exposed contaminated soil during excavation, contaminated dust and organic vapors arising from the excavation activities, and contaminated groundwater that will be encountered during excavation and potential dewatering operations. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of organic vapors arising from contaminated soil and groundwater, and inhalation of dust arising from contaminated soil. The receptor population includes the construction and remediation workers and, to a lesser extent, the public adjacent to the Site.

All five elements exist; therefore, completed exposure pathways are present. However, the risk can be minimized by applying appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining Site security, and wearing the appropriate personal protective equipment. In accordance with a Health and Safety Plan, a Soil Management Plan, and a Community Air Monitoring Plan, measures such as conducting an air-monitoring program, donning personal protective equipment, and applying vapor and dust suppression measures to prevent off-Site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

Proposed Future Conditions

For the proposed future conditions, some residual contaminants may remain and may include those listed under current conditions. Contaminant release and transport mechanisms include volatilization of contaminants from soil vapor or the groundwater matrix to the soil vapor phase. Points of exposure include potential cracks in the foundation or lower-level slab of the proposed development. Routes of exposure may include inhalation of vapors entering the building; these routes may not exist depending on the effectiveness of the remediation. The receptor population includes the building tenants, residential property employees, and visitors.

All five elements exist; therefore, a complete exposure pathway is present. However, the risk can be minimized by proper installation of soil vapor mitigation measures (e.g., vapor barrier) and the composite Site cap system.

Off-Site Migration

The potential off-Site migration of Site contaminants is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- Air monitoring will be conducted for particulates (i.e., dust) and VOCs during all intrusive activities as part of a community air monitoring program. Dust and/or vapor suppression techniques will be employed to limit potential for off-Site migration of Site soils and vapors.
- Vehicle tires and undercarriages will be washed as necessary prior to leaving the Site to prevent tracking material off-Site.
- The Site is located in a highly urbanized area with continuous impervious (i.e. concrete or asphalt) surface covering.
- Groundwater in New York City is not used as a potable water source.

Human Health Exposure Assessment Conclusions

The following conclusions were developed from this human health exposure assessment:

1. There is a moderate risk of exposure under current conditions. Exposure to dust from contaminated soil is limited by the Site cover consisting of a concrete slab and vegetation. The exposure risk can be avoided or minimized by following appropriate health and safety and vapor and dust suppression measures during investigation activities.
2. There is a moderate risk of exposure during construction and remediation activities. This risk can be avoided or minimized by following the appropriate health and safety, vapor and dust suppression, and Site security measures.
3. The existence of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is unlikely, as a large quantity of soil will be excavated and transported to an off-Site disposal facility, groundwater is not used as a potable water source in New York City, and the potential pathway for soil vapor intrusion into the building would be addressed through the use of soil vapor mitigation measures (e.g., vapor barrier and depressurization system).
4. It is unlikely that a complete exposure pathway exists for the migration of Site contaminants to off-Site human receptors for current, construction phase, or future conditions. Monitoring and control measures would be used during investigation and construction to prevent completion of this pathway. Under future conditions, the Site will be remediated and engineering controls can be implemented to prevent completion of this pathway.

6.2 Fish and Wildlife Exposure Assessment

NYSDEC DER-10 requires an on-Site and off-Site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. Based on the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, there was no need to prepare an FWRIA for the Site. A completed form of DER-10 Appendix 3C is included as Appendix J.

7.0 NATURE AND EXTENT OF CONTAMINATION

This Section evaluates the nature and extent of soil, groundwater and soil vapor contamination. The nature and extent of the contamination is derived from a combination of field observations and analytical data that were discussed in Section 5.0.

7.1 Urban Fill

The Site-wide fill layer, potentially historic fill, extends from surface grade to depths of 8 to 11 feet bgs in Lot 23, and to depths of 5 to 11 feet bgs in lot 4. The fill layer contained varying levels of impacts that are discussed in more detail in this section. The discussion is divided by the following contaminant classifications:

1. SVOC-Contaminated Material
2. Metals-Contaminated Material
3. VOC-Contaminated Material
4. PCB-Contaminated Material

7.1.1 SVOC-Contaminated Material

SVOCs were detected at concentrations exceeding Unrestricted Use SCOs in soil collected from the historic fill in seven of fifteen soil borings. Compounds that were detected above Restricted Residential Use SCOs are in **bold**. The COCs include:

- 3-methylphenol/4-methylphenonl
- **benzo(a)anthracene**
- **benzo(a)pyrene**
- **benzo(b)fluoranthene**
- benzo(k)fluoranthene
- **chrysene**
- **dibenzo(a,h)anthracene**
- **indeno(1,2,3-cd)pyrene**
- phenol

SVOC exceedances are mostly ubiquitous and were generally detected at concentrations typical of New York City urban fill throughout the Site.

7.1.2 Metal-Contaminated Material

Metals were detected at concentrations exceeding Unrestricted Use SCOs in soil collected from the historic fill in twelve of fifteen soil borings. Arsenic, barium, chromium, copper, lead, manganese, and mercury were detected above Restricted Residential Use SCOs. Anomalously higher lead concentrations were reported in the central and western portions of the Site and

include potentially hazardous lead concentrations (up to 1,800 mg/kg). Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23. Potential Site sources include historic Site operations or the quality of fill previously placed at the Site.

7.1.3 VOC-Contaminated Material

One VOC, acetone, was detected in boring SB04 at a concentration of 0.2 mg/kg from 0 to 1 feet bgs, in boring SB09 at a concentration of 0.053 mg/kg from 5 to 6 feet bgs, and in boring EB01 at a concentration of 0.055 mg/kg from 15 to 17 feet bgs. These concentrations are three to four orders of magnitude below the Restricted Residential SCOs and are not considered a contaminant of concern.

7.1.4 PCB-Contaminated Material

One PCB, Aroclor 1260, exceeded the Unrestricted Use SCO in boring SB02 between 6 to 7 feet bgs. The concentration of Aroclor 1260 did not exceed the Restricted Residential SCO.

7.2 Groundwater Contamination

Evaluation of the Site groundwater analytical results identified the following COCs for groundwater, which are discussed in more detail in this Section:

1. VOC Contamination
2. SVOC Contamination
3. Metals Contamination
4. Pesticide Contamination

7.2.1 VOC Contamination

VOC exceedances of TOGS AWQS were found in groundwater at monitoring wells MW01 (off-Site well on Purves Street), MW02, MW03, MW06, MW09, and MW10. The COCs include the following VOCs: 1,1,1-trichloroethane, 1,1-dichloroethane, 1,2,4-Trimethylbenzene, cis-1,2-dichloroethene (1,2-DCE), isopropylbenzene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, tetrachloroethene, toluene, trichloroethene, and vinyl chloride. The three groundwater contaminant issues include the following:

- PCE and TCE exceedances were found along the eastern border of the Site near Purves Street and are likely related to an off-Site source (off-Site groundwater concentrations

are higher than on-Site concentrations). Maximum PCE and TCE concentrations were 1,500 µg/l and 440 µg/l, respectively at the off-Site monitoring well MW01. Chlorinated groundwater contaminants are limited to the eastern portion of the Site and appear to be contained by the potential silt/clay confining layer at approximately 10 to 15 feet below the Purves sidewalk grade.

- Petroleum related groundwater exceedances were identified in Lot 4 and likely associated with the UST and historic Site operations (e.g., garage, manufacturing). Isopropylbenzene was detected at 5.9 µg/l adjacent to the suspected UST; however, petroleum impacts were not identified in the 44th Drive sidewalk boring/monitoring well located immediately west of the suspected tank. Toluene was identified in MW10 at 7.8 µg/l along the northeastern boundary of Lot 4. No other exceedances of toluene in groundwater were detected at the Site.

7.2.2 SVOC Impacts

SVOC exceedances of TOGS AWQS were limited to the off-Site well (MW01) on Purves Street and MW10 near the northern property line of Lot 4. Concentrations of 1,2-dichlorobenzene, 1,3-dichlorobenzene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, and phenol were detected above TOGS standards. Exceedances of SVOCs in MW01 (off-Site well) and MW10 are likely the result of the urban fill or an off-Site source. The off-Site SVOC impacts from MW01 did not appear to be migrating onto the Site based on nearby monitoring well MW02.

7.2.3 Metal Impacts

Groundwater samples were submitted for analysis of unfiltered and dissolved metals. The filtered samples contained exceedances of chromium, iron, manganese, sodium, and selenium. Metals in the groundwater likely arise from the quality of the fill material and are related to regional groundwater quality. The chromium exceedance in groundwater in off-Site Lot 22 may be the result of Site activities including manufacturing, labs, leather goods business, and plating equipment business. Chromium groundwater contamination was localized to the one off-Site monitoring well and does not appear to be a Site-wide issue. Chromium in groundwater was not identified in other off-Site monitoring wells and does not appear to be migrating.

7.2.4 Pesticide Impacts

Alpha-BHC exceeded the TOGS AWQS and was limited to MW06 in the central portion of lot 4. Pesticides were not detected in soil samples; however, the exceedance may be the result of the fill condition. Pesticide contamination in groundwater at the Site does not appear to be migrating off-Site.

7.3 Soil Vapor Contamination

Total VOCs ranged from 181.11 µg/m^3 in SV02 to 2,563.02 µg/m^3 in SV10. VOCs detected at greater concentrations in soil vapor than ambient air include: 1,1,1-trichloroethane, 1,1-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-butadiene, 2,2,4-trimethylpentane, 2-butanone, 4-ethyltoluene, 4-methyl-2-pentanone, acetone, benzene, bromomethane, carbon disulfide, carbon tetrachloride, chloroform, cyclohexane, dichlorodifuoromethane, ethanol, ethyl acetate, ethylbenzene, freon-113, heptane, isopropanol, methyl tert butyl ether, methylene chloride, n-hexane, o-Xylene, p- & m- xylenes, tertiary butyl alcohol, propylene, PCE, tetrahydrofuran, toluene, TCE, trichlorofluromethane, and vinyl chloride.

Site-wide VOC impacts to soil vapor may result from the potential UST, historic use of the Site or an unknown off-Site source to the east of the Site along Purves Street.

8.0 CONCLUSIONS

The RI was implemented between December 2, 2013 and March 14, 2014. The findings summarized herein are based on both qualitative data (field observations and instrumental readings), and laboratory analytical results of soil, groundwater, and soil vapor samples collected during the RI. Findings and conclusions are as follows:

1. Stratigraphy: Overburden at the Site consists of an urban fill layer, potentially historic fill, beneath the Site surface cover (concrete slab in lot 4 and deteriorating concrete with overgrown vegetation in lot 23), extending to depths of approximately 8 to 11 feet bgs within lots 22 and 23, and to 5 to 11 feet bgs in lot 4. The fill layer is comprised of medium-brown to reddish-brown fine to coarse sand with varying amounts of clay, silt, gravel, brick, concrete, ash and coal fragments. Underlying the fill are native soil deposits comprised of gray-brown to gray-black silt or clay with some silt, trace fine sand, and trace organics. This layer was encountered below the fill layer and extended to at least 18 feet bgs. Bedrock was not encountered during this investigation; however, based on Langan's experience in this area, it is estimated to be hard sound gray schist bedrock at depths of approximately 50 to 70 feet bgs.
2. Hydrogeology: Groundwater underlying the Site ranged from approximately el 1.25 to el 2.94 (7.95 to 3.26 feet bgs). Based on a groundwater contour derived from the March 2014 measurements, local groundwater flow is estimated to flow north to northeast.
3. Urban Fill Impacts: The fill layer contained VOC, PCB, SVOC, and metal exceedances of Unrestricted Use SCO. SVOC and metal concentrations exceeded Restricted Residential Use SCOs. The VOC (acetone) was not detected above the Restricted Residential SCO and is not a COC. The PCB was found only in the northeast corner of the Site adjacent to Purves Street. SVOCs and metals were detected at concentrations exceeding the SCOs throughout the fill layer. Anomalously high concentrations of lead exceeding Restricted Residential Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout lot 4 and the southwest portion of lot 23. Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow Site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western portion of Lot 23
4. Suspected UST and Petroleum Impacted Soil: One suspected UST was identified during the investigation in the western portion of lot 4. Petroleum-impacted material was identified through field observations (staining, odor, and elevated PID readings) and analytical results. The petroleum-impacted material was identified in Lot 4 near the suspected UST.

5. Groundwater Impacts: Groundwater VOC, SVOC, metal, and pesticide concentrations exceeded TOGS AWQS.
    a. PCE and TCE exceedances were found along the eastern border of the Site near Purves Street and are likely related to an off-Site source (off-Site groundwater concentrations are higher than on-Site concentrations).
    b. Petroleum related groundwater exceedances were identified in Lot 4 likely associated with the UST and historic Site operations (e.g., garage, manufacturing).
    c. Metals and SVOC contaminants in the groundwater likely arise from the quality of the fill material and are related to regional groundwater quality. The off-Site chromium exceedance in groundwater may be the result of Site activities including manufacturing, labs, leather goods business, and plating equipment business.
6. Soil Vapor Impacts: Soil vapor sample results show the presence of multiple VOCs above ambient air sample results across the Site. The highest concentrations of PCE, TCE, and BTEX concentrations were identified along the eastern boundary of the Site adjacent to Purves Street.
7. Sufficient analytical data was gathered during this RI to establish Site-specific soil cleanup levels and to develop a remedy for the Site. The remedy will be described and evaluated in a Remedial Action Work Plan (RAWP) prepared in accordance with NYS BCP guidelines. The remedy for the Site will need to address fill impacted with a VOC, PCB, SVOCs, metals and petroleum; groundwater impacted with VOCs, SVOCs, metals and a pesticide; soil vapor impacted with VOCs; and a contingency for the removal and closure of the encountered UST.

9.0 REFERENCES

1. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., "Phase I Environmental Site Assessment Report", January 2014.
2. New York State Department of Health, Final Guidance for the Evaluation of Soil Vapor Intrusion in the State of New York, dated October 2006.
3. New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft Brownfield Cleanup Program Guide, dated May 2004.
4. New York State Department of Environmental Conservation, Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.
5. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998.
6. United States Environmental Protection Agency, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, "EPA/540/S-95/504, April 1996.
7. New York State Department of Environmental Conservation, Part 375 of Title 6 of the New York Compilation of Codes, Rules, and Regulations, Effective December 14, 2006.
8. New York State Department of Environmental Conservation, Part 703 of Title 6 of the New York Compilation of Codes, Rules, and Regulations, Effective August 4, 1999.

TABLES

Table 1
Groundwater Elevation Data Summary
Remedial Investigation Report
27-21 44th Drive 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

Well ID	Date	Depth to Water (feet bgs)	Top of Casing Elevation[(1)] (feet)	Water Elevation[(1)] (feet)
MW01	12/10/2013	7	8.00	1.00
	3/14/2014	6.56	8.00	1.44
MW02	12/10/2013	9.92	11.24	1.32
	3/14/2014	9.57	11.24	1.67
MW03	12/10/2013	10.00	11.31	1.31
	3/14/2014	9.64	11.31	1.67
MW06	12/10/2013	2.90	6.70	3.80
	3/14/2014	3.95	6.70	2.75
MW07	12/10/2013	2.8	6.10	3.30
	3/14/2014	3.24	6.10	2.86
MW08	3/14/2014	15.98	18.70	2.72
MW09	3/14/2014	3.26	6.20	2.94
MW10	3/14/2014	5.43	6.90	1.47
MW11	3/14/2014	7.95	9.20	1.25

Notes:

1. Elevations are relative to the Queens Highway Datum, which is 2.725 feet above Mean Sea Level at Sandy Hook, NJ (NGVD29)
2. Water Elevation = Top of Casing Elevation - Depth to Water.
3. bgs = Below ground surface
4. Monitoring wells MW01, MW02, MW03, MW06, and MW07 were installed on December 2 and 3, 2013 and monitoring wells MW08 through MW11 were installed on March 7, 2014.

Table 2
Sample Summary
Remedial Investigation Summary
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

Sample Type	Boring ID	Sample ID	Date	Depth of Collection (ft bgs)	Analyses	Sampling Rationale
Soil	SB01	SB01_10-11	12/2/2013	10 to 11	Part 375 VOCs, SVOCs, PCBs, Pesticides, Cyanide and Metals	Investigate PAOC-4
	SB02	SB02_0-1	12/2/2013	0 to 1		Investigate PAOC-4
		SB02_6-7	12/2/2013	6 to 7		
		SB02_11-12	12/2/2013	11 to 12		
		DUP01	12/2/2013	11 to 12		
	SB03	SB03_1-2	12/2/2013	1 to 2		Investigate PAOC-4
		SB03_7-8	12/2/2013	7 to 8		
	SB04	SB04_0-1	12/2/2013	0 to 1		Investigate PAOC-4
		SB04_5-6	12/2/2013	5 to 6		
	SB05	SB05_1-2	12/2/2013	1 to 2		Investigate PAOC-4
	SB06	SB06_1-2	12/3/2013	1 to 2		Investigate PAOC-4
		SB06_5-6	12/3/2013	5 to 6		
	SB07	SB07_0-1	12/3/2013	0 to 1		Investigate PAOC-4
	SB08	SB08_1-2	12/3/2013	1 to 2		Investigate PAOC-2 and PAOC-4
		SB08_10-11	12/3/2013	10 to 11		
	SB09	SB09_1-2	12/3/2013	1 to 2		Investigate PAOC-2 and PAOC-4
		SB09_5-6	12/3/2013	5 to 6		
	EB01	EB01_1-3	3/7/2014	1 to 3		Investigate PAOC-2 and PAOC-4
		EB01_10-12	3/7/2014	10 to 12		
		EB01_15-17	3/7/2014	15 to 17		
	EB02	EB02_0.5-2	3/7/2014	0.5 to 2		Investigate PAOC-2 and PAOC-4
		EB02_8-10	3/7/2014	8 to 10		
		EB02_13-15	3/7/2014	13 to 15		
	EB03	EB03_0.5-2	3/7/2014	0.5 to 2		Investigate PAOC-2 and PAOC-4
		EB03_8-10	3/7/2014	8 to 10		
	EB04	EB04_0.5-2	3/7/2014	0.5 to 2		Investigate PAOC-4
		EB04_9-10	3/7/2014	9 to 10		
	EB05	EB05_0-2	3/7/2014	0 to 2		Investigate PAOC-4
		EB05_5-6.5	3/7/2014	5 to 6.5		
		EB05_12-13.5	3/7/2014	12 to 13.5		
		DUP01_030714	3/7/2014	5 to 6.5		
	EB06	EB06_0-2	3/7/2014	0 to 2		Investigate PAOC-4
		EB06_5-6.5	3/7/2014	5 to 6.5		
		EB06_7.5-9	3/7/2014	7.5 to 9		
Groundwater	MW01	MW01_20131210	12/10/2013	n/a	VOCs, SVOCs, PCBs, Pesticides, Cyanide and Dissolved and Total Metals	Investigate PAOC-1
	MW02	MW02_20131210	12/10/2013	n/a		
	MW03	MW03_20131210	12/10/2013	n/a		
	MW06	MW06_20131210	12/10/2013	n/a		
		DUP02	12/10/2013	n/a		
	MW07	MW07_20131210	12/10/2013	n/a		
	MW08	MW08_031414	3/14/2014	n/a		
		MWDUP01_031414	3/14/2014	n/a		
	MW09	MW09_031414	3/14/2014	n/a		
	MW10	MW10_031414	3/14/2014	n/a		
	MW11	MW11_031414	3/14/2014	n/a		
Soil Vapor	SV01	SV01_20131210	12/10/2013	4	VOCs	Investigate PAOC-3
	SV02	SV02_20131210	12/10/2013	4		
	SV03	SV03_20131210	12/10/2013	1		
	SV04	SV04_20131210	12/10/2013	1		
	n/a	AMBIENT	12/10/2013	n/a		
	SV05	SV05_030714	3/7/2014	2		
	SV06	SV06_030714	3/7/2014	2		
	SV07	SV07_030714	3/7/2014	2		
	SV08B	SV08B_030714	3/7/2014	3		
	SV09	SV09_030714	3/7/2014	3		
	SV10	SV10_030714	3/7/2014	4		
	SV11	SV11_030714	3/7/2014	2		
	n/a	AA01_030714	3/7/2014	n/a		

Notes:
1. VOC = Volatile Organic Compounds
2. SVOC = Semivolatile Organic Compounds
3. PCBs = Polychlorinated Biphenyls
4. ft bgs = feet below ground surface
5. n/a = not applicable
6. PAOC-1: Know VOC and SVOC Groundwater Impacts
7. PAOC-2: Potential Underground Storage Tank (UST) and Petroleum Impacted Soil in the Western Portion of Lot 4
8. PAOC-3: Potential Soil Vapor Contamination
9. PAOC-4: Historical Fill

Table 3A
Soil Sample Detection Summary -VOCs and SVOCs
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	EB06_0-2 3/7/2014 L1404886-01	EB06_5-6.5 3/7/2014 L1404886-02	EB06_7.5-9 3/7/2014 L1404886-03	EB05_0-2 3/7/2014 L1404886-04	EB05_5-6.5 3/7/2014 L1404886-05	EB05_12-13.5 3/7/2014 L1404886-06	DUP01_030714 3/7/2014 L1404886-07	EB01_1-3 3/7/2014 L1404886-08	EB01_10-12 3/7/2014 L1404886-09	EB01_15-17 3/7/2014 L1404886-10	EB02_0.5-2 3/7/2014 L1404886-11	EB02_8-10 3/7/2014 L1404886-12	EB02_13-15 3/7/2014 L1404886-13	EB04_0.5-2 3/7/2014 L1404886-14	EB04_0.5-2 3/7/2014 L1404886-14 R1
SVOCs (mg/km)																	
1,4-Dichlorobenzene	1.8	13	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.2 U	0.21 U	0.4 U	0.38 U	-
2-Methylnaphthalene	-	~	0.22 U	0.23 U	0.24 U	0.23 U	0.22 U	0.24 U	0.21 U	0.23 U	0.23 U	0.32 U	0.24 U	0.25 U	0.49 U	1.2	-
3-Methylphenol/4-Methylphenol	0.33	100	0.26 U	0.28 U	0.29 U	0.28 U	0.26 U	0.29 U	0.26 U	0.27 U	0.27 U	*0.38* U	0.28 U	0.3 U	*0.58* U	*0.55* U	-
Acenaphthene	20	100	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.14 U	0.15 U	0.15 U	0.21 U	0.058 J	0.17 U	0.32 U	2	-
Acenaphthylene	100	100	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.14 U	0.15 U	0.15 U	0.21 U	0.046 J	0.17 U	0.32 U	0.3 U	-
Anthracene	100	100	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.058 J	0.16 U	0.15	0.13 U	0.24 U	3.1	-
Benzo(a)anthracene	1	1	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.15	0.16 U	0.46	0.1 J	0.24 U	**4.6**	-
Benzo(a)pyrene	1	1	0.12 J	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.14 U	0.14 J	0.21	0.21 U	0.42	0.095 J	0.32 U	**3.1**	-
Benzo(b)fluoranthene	1	1	0.11	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.13	0.22	0.16 U	0.54	0.11 J	0.24 U	**4**	-
Benzo(ghi)perylene	100	100	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.14 U	0.12 J	0.17	0.21 U	0.34	0.068 J	0.32 U	2	-
Benzo(k)fluoranthene	0.8	3.9	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.071 J	0.16 U	0.18	0.13 U	0.24 U	1.3	-
Biphenyl	~	~	0.41 U	0.44 U	0.46 U	0.44 U	0.41 U	0.46 U	0.4 U	0.44 U	0.43 U	0.6 U	0.45 U	0.48 U	0.92 U	0.21 J	-
Bis(2-Ethylhexyl)phthalate	~	~	0.15 J	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.2 U	0.21 U	0.4 U	0.38 U	-
Carbazole	~	~	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.056 J	0.21 U	0.4 U	1	-
Chrysene	1	3.9	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.15	0.16 U	0.49	0.11 J	0.24 U	**4.7**	-
Dibenzo(a,h)anthracene	0.33	0.33	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.13	0.16 U	0.089 J	0.13 U	0.24 U	**0.51**	-
Dibenzofuran	7	59	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.2 U	0.21 U	0.4 U	0.62	-
Fluoranthene	100	100	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.066 J	0.4	0.16 U	0.91	0.12 J	0.24 U	9.6	-
Fluorene	30	100	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.2 U	0.21 U	0.4 U	1.8	-
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.14 U	0.19	0.24	0.21 U	0.33	0.062 J	0.32 U	**2**	-
Naphthalene	12	100	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.2 U	0.21 U	0.4 U	0.86	-
Phenanthrene	100	100	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.3	0.16 U	0.69	0.052 J	0.24 U	15	15
Phenol	0.33	100	0.18 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U	0.18 U	0.19 U	0.19 U	0.26 U	0.48	0.21 U	*0.4* U	*0.38* U	-
Pyrene	100	100	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.056 J	0.33	0.16 U	0.87	0.12 J	0.24 U	9.4	-
VOCs (mg/km)																	
1,1,1-Trichloroethane	0.68	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
1,1-Dichloroethane	0.27	26	0.0027 U	0.002 U	0.0016 U	0.0024 U	0.0016 U	0.0024 U	0.002 U	0.0026 U	0.0036 U	0.0048 U	0.0018 U	0.1 U	0.0058 U	0.0018 U	-
1,2,4,5-Tetramethylbenzene	~	~	0.0072 U	0.0054 U	0.0044 U	0.0065 U	0.0043 U	0.0064 U	0.0053 U	0.007 U	0.0097 U	0.013 U	0.0047 U	0.2 J	0.015 U	0.005 U	-
1,2,4-Trichlorobenzene	~	~	0.0089 U	0.0067 U	0.0055 U	0.0081 U	0.0053 U	0.008 U	0.0066 U	0.0087 U	0.012 U	0.016 U	0.0059 U	0.34 U	0.019 U	0.0062 U	-
1,2,4-Trimethylbenzene	3.6	52	0.0089 U	0.0067 U	0.0055 U	0.0081 U	0.0053 U	0.008 U	0.0066 U	0.0087 U	0.012 U	0.016 U	0.0059 U	0.34 U	0.019 U	0.0062 U	-
1,4-Diethylbenzene	~	~	0.0072 U	0.0054 U	0.0044 U	0.0065 U	0.0043 U	0.0064 U	0.0053 U	0.007 U	0.0097 U	0.013 U	0.0047 U	0.044 J	0.015 U	0.005 U	-
2-Butanone	0.12	100	0.018 U	0.013 U	0.011 U	0.0039 J	0.011 U	0.016 UJ	0.013 UJ	0.017 UJ	0.024 UJ	0.0074 UJ	0.012 UJ	*0.68* U	0.038 UJ	0.012 UJ	-
4-Ethyltoluene	~	~	0.0072 U	0.0054 U	0.0044 U	0.0065 U	0.0043 U	0.0064 U	0.0053 U	0.007 U	0.0097 U	0.013 U	0.0047 U	0.27 U	0.015 U	0.005 U	-
4-Methyl-2-pentanone	~	~	0.018 U	0.013 U	0.011 U	0.016 U	0.011 U	0.016 U	0.013 U	0.017 U	0.024 U	0.032 U	0.012 U	0.68 U	0.038 U	0.012 U	-
Acetone	0.05	100	0.0064 J	0.0061 J	0.0044 J	0.034	0.011 UJ	0.016 U	0.013 U	0.017 U	0.024 U	0.055	0.012 U	*0.68* UJ	0.03 J	0.012 U	-
Benzene	0.06	4.8	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	*0.068* U	0.0038 U	0.0012 U	-
Carbon disulfide	~	~	0.018 U	0.013 U	0.011 U	0.016 U	0.011 U	0.016 U	0.013 U	0.017 U	0.024 U	0.032 U	0.012 U	0.68 U	0.0092 J	0.012 U	-
Chlorobenzene	1.1	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
Chloroform	0.37	49	0.0027 U	0.002 U	0.0016 U	0.0024 U	0.0016 U	0.0024 U	0.002 U	0.0026 U	0.0036 U	0.0048 U	0.0018 U	0.1 U	0.0058 U	0.0018 U	-
cis-1,2-Dichloroethene	0.25	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
Ethylbenzene	1	41	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
Isopropylbenzene	~	~	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.088	0.0038 U	0.0012 U	-
n-Butylbenzene	12	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.025 J	0.0038 U	0.0012 U	-
n-Propylbenzene	3.9	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.1	0.0038 U	0.0012 U	-
Naphthalene	12	100	0.0089 U	0.0067 U	0.0055 U	0.0081 U	0.0053 U	0.008 U	0.0066 U	0.0087 U	0.012 U	0.016 U	0.0059 U	0.34 U	0.019 U	0.0062 U	-
o-Xylene	~	~	0.0036 U	0.0027 U	0.0022 U	0.0032 U	0.0021 U	0.0032 U	0.0026 U	0.0035 U	0.0049 U	0.0064 U	0.0023 U	0.14 U	0.0077 U	0.0025 U	-
p-Isopropyltoluene	~	~	0.0018 U	0.0013 U	0.0011 U	0.0089	0.0014	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
p/m-Xylene	~	~	0.0036 U	0.0027 U	0.0022 U	0.0032 U	0.0021 U	0.0032 U	0.0026 U	0.0035 U	0.0049 U	0.0064 U	0.0023 U	0.027 J	0.0077 U	0.0025 U	-
sec-Butylbenzene	11	100	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.022 J	0.0038 U	0.0012 U	-
Tetrachloroethene	1.3	19	0.0018 U	0.0013 U	0.0028	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
Toluene	0.7	100	0.0014 J	0.002 U	0.0016 U	0.0023 J	0.0016 U	0.0024 U	0.002 U	0.0026 U	0.0036 U	0.0048 U	0.0018 U	0.016 J	0.0058 U	0.0016 J	-
Trichloroethene	0.47	21	0.0018 U	0.0013 U	0.0011 U	0.0016 U	0.0011 U	0.0016 U	0.0013 U	0.0017 U	0.0024 U	0.0032 U	0.0012 U	0.068 U	0.0038 U	0.0012 U	-
Vinyl chloride	0.02	0.9	0.0036 U	0.0027 U	0.0022 U	0.0032 U	0.0021 U	0.0032 U	0.0026 U	0.0035 U	0.0049 U	0.0064 U	0.0023 U	*0.14* U	0.0077 U	0.0025 U	-

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
2. Only detected compounds are shown in the table.
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are highlighted.
4. NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted and **bold**.
5. Non-detected compounds with reporting limits that exceed NYSDEC Part 375 Unrestricted Use SCO are *italicized*.
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. ND = Not Detected
9. mg/kg = milligrams per kilogram
10. ~ = Indicates that no regulatory limit has been established for this analyte
11. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

Qualifiers:

U = Analyte included in the analysis, but not detected.
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration
UJ = Indicates that the detection limit for the analyte is approximate. Identifies a deficiency in the date generation process.

Table 3A
Soil Sample Detection Summary -VOCs and SVOCs
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	EB04_9-10 3/7/2014 L1404886-15	EB03_0.5-2 3/7/2014 L1404886-16	EB03_8-10 3/7/2014 L1404886-17	SB01_10-11 12/2/2013 L1324383-02	SB01_10-11 12/2/2013 L1324383-02 R1	SB02_0-1 12/2/2013 L1324383-03	SB02_6-7 12/2/2013 L1324383-04	SB02_6-7 12/2/2013 L1324383-04 R1	SB02_11-12 12/2/2013 L1324383-05	SB02_11-12 12/2/2013 L1324383-05 R1	DUP01 12/2/2013 L1324383-06	DUP01 12/2/2013 L1324383-06 R1	SB03_1-2 12/2/2013 L1324383-07	SB03_7-8 12/2/2013 L1324383-08	SB04_0-1 12/2/2013 L1324383-09	SB04_5-6 12/2/2013 L1324383-10
SVOCs (mg/km)																		
1,4-Dichlorobenzene	1.8	13	0.19 U	0.23 U	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.19 U	0.21 U	0.2 U	0.2 U
2-Methylnaphthalene	-	~	0.23 U	0.27 U	0.28 U	0.22 U	-	0.22 U	0.26 U	0.26 U	0.24 U	-	0.24 U	-	0.22 U	0.25 U	0.24 U	0.24 U
3-Methylphenol/4-Methylphenol	0.33	100	0.27 U	*0.33* U	*0.34* U	0.27 U	-	0.26 U	0.31 U	0.31 U	0.28 U	-	0.29 U	-	0.27 U	0.3 U	0.28 U	0.29 U
Acenaphthene	20	100	0.15 U	0.063 J	0.055 J	0.15 U	-	0.14 U	0.17 U	0.17 U	0.16 U	-	0.16 U	-	0.15	0.16 U	0.16 U	0.16 U
Acenaphthylene	100	100	0.15 U	0.18 U	0.19 U	0.15 U	-	0.14 U	0.17 U	0.17 U	0.16 U	-	0.16 U	-	0.092 J	0.16 U	0.16 U	0.16 U
Anthracene	100	100	0.11 U	0.14	0.16	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	0.33	0.12 U	0.12 U	0.12 U
Benzo(a)anthracene	1	1	0.11 U	0.5	0.44	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	**1.1**	0.12 U	0.061 J	0.12 U
Benzo(a)pyrene	1	1	0.15 U	0.48	0.41	0.15 U	-	0.14 U	0.17 U	0.17 U	0.16 U	-	0.16 U	-	0.89	0.16 U	0.16 U	0.16 U
Benzo(b)fluoranthene	1	1	0.11 U	0.65	0.31	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	**1.1**	0.12 U	0.064 J	0.12 U
Benzo(ghi)perylene	100	100	0.15 U	0.4	0.39	0.15 U	-	0.14 U	0.17 U	0.17 U	0.16 U	-	0.16 U	-	0.54	0.16 U	0.16 U	0.16 U
Benzo(k)fluoranthene	0.8	3.9	0.11 U	0.24	0.16	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	0.38	0.12 U	0.12 U	0.12 U
Biphenyl	~	~	0.43 U	0.52 U	0.53 U	0.42 U	-	0.42 U	0.49 U	0.49 U	0.45 U	-	0.47 U	-	0.43 U	0.47 U	0.45 U	0.46 U
Bis(2-Ethylhexyl)phthalate	~	~	0.19 U	0.23 U	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.19 U	0.21 U	0.23	0.2 U
Carbazole	~	~	0.19 U	0.064 J	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.12 J	0.21 U	0.2 U	0.2 U
Chrysene	1	3.9	0.11 U	0.63	0.51	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	1.3	0.12 U	0.06 J	0.12 U
Dibenzo(a,h)anthracene	0.33	0.33	0.11 U	0.081 J	0.072 J	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	0.15	0.12 U	0.12 U	0.12 U
Dibenzofuran	7	59	0.19 U	0.23 U	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.075 J	0.21 U	0.2 U	0.2 U
Fluoranthene	100	100	0.11 U	1.1	0.72	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	2.6	0.12 U	0.14	0.12 U
Fluorene	30	100	0.19 U	0.066 J	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.11 J	0.21 U	0.2 U	0.2 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.15 U	0.4	0.23	0.15 U	-	0.14 U	0.17 U	0.17 U	0.16 U	-	0.16 U	-	**0.54**	0.16 U	0.16 U	0.16 U
Naphthalene	12	100	0.19 U	0.23 U	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.19 U	0.21 U	0.2 U	0.2 U
Phenanthrene	100	100	0.11 U	0.87	0.56	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	1.8	0.12 U	0.07 J	0.12 U
Phenol	0.33	100	0.19 U	0.23 U	0.23 U	0.18 U	-	0.18 U	0.22 U	0.22 U	0.2 U	-	0.2 U	-	0.19 U	0.21 U	0.2 U	0.2 U
Pyrene	100	100	0.11 U	1	0.82	0.11 U	-	0.11 U	0.13 U	0.13 U	0.12 U	-	0.12 U	-	2.6	0.12 U	0.11 J	0.12 U
VOCs (mg/km)																		
1,1,1-Trichloroethane	0.68	100	0.001 U	0.0016 U	0.0013 U	0.0015	0.0015 J	0.0011 U	0.0012 U	-	0.0082	0.0082	0.00089 J	0.00089 J	0.0018 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.0015 U	0.0025 U	0.0019 U	0.0011 J	0.0011 J	0.0016 U	0.0018 U	-	0.0019 U	0.0019 U	0.0018 U	0.0018 U	0.0027 U	0.0016 U	0.0017 U	0.0017 U
1,2,4,5-Tetramethylbenzene	~	~	0.004 U	0.0066 U	0.0051 U	0.0041 U	0.0041 U	0.0042 U	0.0048 U	-	0.005 U	0.005 U	0.0049 U	0.0049 U	0.0073 U	0.0043 U	0.0046 U	0.0044 U
1,2,4-Trichlorobenzene	~	~	0.005 U	0.0082 U	0.0064 U	0.0052 U	0.0052 U	0.0053 U	0.006 U	-	0.0063 U	0.0063 U	0.0062 U	0.0062 U	0.0091 U	0.0054 U	0.0057 U	0.0055 U
1,2,4-Trimethylbenzene	3.6	52	0.005 U	0.0082 U	0.0064 U	0.0052 U	0.0052 U	0.0053 U	0.006 U	-	0.0063 U	0.0063 U	0.0062 U	0.0062 U	0.0091 U	0.0054 U	0.0057 U	0.0055 U
1,4-Diethylbenzene	~	~	0.004 U	0.0066 U	0.0051 U	0.0041 U	0.0041 U	0.0042 U	0.0048 U	-	0.005 U	0.005 U	0.0049 U	0.0049 U	0.0073 U	0.0043 U	0.0046 U	0.0044 U
2-Butanone	0.12	100	0.01 UJ	0.016 UJ	0.0041 UJ	0.01 U	0.01 U	0.011 U	0.012 U	-	0.012 U	0.012 U	0.012 U	0.012 U	0.018 U	0.011 U	0.011 U	0.0015 J
4-Ethyltoluene	~	~	0.004 U	0.0066 U	0.0051 U	0.0041 U	0.0041 U	0.0042 U	0.0048 U	-	0.005 U	0.005 U	0.0049 U	0.0049 U	0.0073 U	0.0043 U	0.0046 U	0.0044 U
4-Methyl-2-pentanone	~	~	0.01 U	0.016 U	0.013 U	0.01 U	0.01 U	0.011 U	0.012 U	-	0.012 U	0.012 U	0.012 U	0.012 U	0.018 U	0.011 U	0.011 U	0.011 U
Acetone	0.05	100	0.0097 J	0.016 U	0.019	0.01 U	0.01 U	0.011 U	0.0038 J	-	0.012 U	0.012 U	0.012 U	0.012 U	0.016 J	0.011 U	0.2	0.014
Benzene	0.06	4.8	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Carbon disulfide	~	~	0.01 U	0.016 U	0.013 U	0.01 U	0.01 U	0.011 U	0.012 U	-	0.012 U	0.012 U	0.012 U	0.012 U	0.018 U	0.011 U	0.011 U	0.011 U
Chlorobenzene	1.1	100	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.00086 J	0.00086 J	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.0015 U	0.0052	0.0019 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	-	0.0019 U	0.0019 U	0.0018 U	0.0018 U	0.0014 J	0.0016 U	0.0017 U	0.0017 U
cis-1,2-Dichloroethene	0.25	100	0.001 U	0.0016 U	0.0013 U	0.042	0.042	0.0011 U	0.0012 U	-	0.015	0.015	0.0032	0.0032	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Isopropylbenzene	~	~	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
n-Butylbenzene	12	100	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
n-Propylbenzene	3.9	100	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Naphthalene	12	100	0.005 U	0.0082 U	0.0064 U	0.0052 U	0.0052 U	0.0053 U	0.006 U	-	0.0063 U	0.0063 U	0.0062 U	0.0062 U	0.0091 U	0.0054 U	0.0057 U	0.0055 U
o-Xylene	~	~	0.002 U	0.0033 U	0.0025 U	0.0021 U	0.0021 U	0.0021 U	0.0024 U	-	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0036 U	0.0022 U	0.00075 J	0.0022 U
p-Isopropyltoluene	~	~	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
p/m-Xylene	~	~	0.002 U	0.0033 U	0.0025 U	0.0021 U	0.0021 U	0.0021 U	0.0024 U	-	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0036 U	0.0022 U	0.0015 J	0.0022 U
sec-Butylbenzene	11	100	0.001 U	0.0016 U	0.0013 U	0.001 U	0.001 U	0.0011 U	0.0012 U	-	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Tetrachloroethene	1.3	19	0.001 U	0.0016 U	0.0013 U	0.047	0.047	0.0011 U	0.0013	-	0.25	0.25	0.041	0.041	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Toluene	0.7	100	0.0015 U	0.0016	0.0019 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	-	0.0019 U	0.0019 U	0.0018 U	0.0018 U	0.0027 U	0.0016 U	0.0017 U	0.0017 U
Trichloroethene	0.47	21	0.001 U	0.0016 U	0.0013 U	0.02	0.02	0.0011 U	0.0012 U	-	0.031	0.031	0.0045	0.0045	0.0018 U	0.0011 U	0.0011 U	0.0011 U
Vinyl chloride	0.02	0.9	0.002 U	0.0016 U	0.0025 U	0.00074 J	0.00074 J	0.0021 U	0.0024 U	-	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0036 U	0.0022 UJ	0.0023 U	0.0022 U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
2. Only detected compounds are shown in the table.
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are highlighted.
4. NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted and **bold**.
5. Non-detected compounds with reporting limits that exceed NYSDEC Part 375 Unrestricted Use SCO are *italicized*.
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. ND = Not Detected
9. mg/kg = milligrams per kilogram
10. ~ = Indicates that no regulatory limit has been established for this analyte
11. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

Qualifiers:

U = Analyte included in the analysis, but not detected.
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration
UJ = Indicates that the detection limit for the analyte is approximate. Identifies a deficiency in the date generation process.

Table 3A
Soil Sample Detection Summary -VOCs and SVOCs
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	SB05_1-2 12/2/2013 L1324383-11	SB06_1-2 12/3/2013 L1324502-01	SB06_5-6 12/3/2013 L1324502-02	SB06_5-6 12/3/2013 L1324502-02 R1	SB07_0-1 12/3/2013 L1324502-03	SB07_0-1 12/3/2013 L1324502-03 R1	SB08_1-2 12/3/2013 L1324502-05	SB08_10-11 12/3/2013 L1324502-06	SB08_10-11 12/3/2013 L1324502-06 R1	SB09_1-2 12/3/2013 L1324502-07	SB09_5-6 12/3/2013 L1324502-08
SVOCs (mg/km)													
1,4-Dichlorobenzene	1.8	13	0.18 U	0.19 U	0.19 U	-	0.39 U	-	0.19 U	0.24 U	-	0.12 J	0.98 U
2-Methylnaphthalene	-	~	0.22 U	0.22 U	0.12 J	-	0.78	-	0.23 U	0.29 U	-	0.23 U	1.2 U
3-Methylphenol/4-Methylphenol	0.33	100	0.26 U	0.27 U	0.2 J	-	0.38 J	-	0.27 U	*0.34* U	-	0.27 U	0.83 J
Acenaphthene	20	100	0.082 J	0.057 J	0.15	-	1.9	-	0.084 J	0.19 U	-	0.15 U	0.78 U
Acenaphthylene	100	100	0.05 J	0.15 U	0.15 U	-	0.49	-	0.15 U	0.19 U	-	0.047 J	0.78 U
Anthracene	100	100	0.2	0.16	0.38	-	2.9	-	0.25	0.048 J	-	0.075 J	0.58 U
Benzo(a)anthracene	1	1	0.52	0.52	**2.1**	-	**8.2**	-	0.68	0.1 J	-	0.38	0.54 J
Benzo(a)pyrene	1	1	0.46	0.52	**2.2**	-	**6.6**	-	0.67	0.083 J	-	0.39	0.4 J
Benzo(b)fluoranthene	1	1	0.57	0.59	**2.6**	-	**7.2**	-	0.78	0.11 J	-	0.56	0.58
Benzo(ghi)perylene	100	100	0.28	0.35	1.3	-	3.4	-	0.48	0.056 J	-	0.29	0.2 J
Benzo(k)fluoranthene	0.8	3.9	0.2	0.23	1.1	-	2.4	-	0.32	0.14 U	-	0.18	0.58 U
Biphenyl	~	~	0.41 U	0.43 U	0.43 U	-	0.18 J	-	0.43 U	0.55 U	-	0.43 U	2.2 U
Bis(2-Ethylhexyl)phthalate	~	~	0.18 U	0.19 U	0.56	-	0.39 U	-	0.19 U	0.24 U	-	0.075 J	0.98 U
Carbazole	~	~	0.077 J	0.052 J	0.14 J	-	0.84	-	0.11 J	0.24 U	-	0.051 J	0.98 U
Chrysene	1	3.9	0.54	0.58	2	-	**9.4**	-	0.69	0.1 J	-	0.42	1
Dibenzo(a,h)anthracene	0.33	0.33	0.072 J	0.079 J	0.32	-	**1**	-	0.11	0.14 U	-	0.076 J	*0.58* U
Dibenzofuran	7	59	0.18 U	0.19 U	0.15 J	-	0.74	-	0.19 U	0.24 U	-	0.19 U	0.98 U
Fluoranthene	100	100	1.2	0.94	4.1	-	16	16	1.4	0.26	-	0.75	0.39 J
Fluorene	30	100	0.071 J	0.19 U	0.19 U	-	2	-	0.1 J	0.24 U	-	0.19 U	0.98 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.3	0.35	**1.5**	-	**3.4**	-	0.5	0.055 J	-	0.32	*0.78* U
Naphthalene	12	100	0.18 U	0.19 U	0.25	-	2.5	-	0.19 U	0.091 J	-	0.12 J	0.98 U
Phenanthrene	100	100	0.92	0.68	1.8	-	18	18	1.2	0.26	-	0.42	0.42 J
Phenol	0.33	100	0.18 U	0.19 U	0.19 U	-	*0.39* U	-	0.19 U	0.24 U	-	0.19 U	*0.98* U
Pyrene	100	100	1.1	0.9	4.1	-	19	19	1.3	0.22	-	0.68	0.81
VOCs (mg/km)													
1,1,1-Trichloroethane	0.68	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.0016 U	0.0021 U	0.0017 U	-	0.0025 U	-	0.0024 U	0.0025 U	-	0.0026 U	0.002 U
1,2,4,5-Tetramethylbenzene	~	~	0.0042 U	0.0055 U	0.0045 U	-	0.0066 U	-	0.0065 U	0.0068 U	-	0.0068 U	0.0054 U
1,2,4-Trichlorobenzene	~	~	0.0053 U	0.0069 U	0.0056 U	-	0.0082 U	-	0.0082 U	0.0084 U	-	0.0085 U	0.0067 U
1,2,4-Trimethylbenzene	3.6	52	0.0053 U	0.0069 U	0.00074 J	-	0.0082 U	-	0.0082 U	0.0084 U	-	0.0085 U	0.0067 U
1,4-Diethylbenzene	~	~	0.0042 U	0.0055 U	0.0045 U	-	0.0066 U	-	0.0065 U	0.0068 U	-	0.0068 U	0.0054 U
2-Butanone	0.12	100	0.01 U	0.014 U	0.006 J	-	0.016 U	-	0.016 U	0.017 U	-	0.017 U	0.0094 J
4-Ethyltoluene	~	~	0.0042 U	0.0055 U	0.00042 J	-	0.0066 U	-	0.0065 U	0.0068 U	-	0.0068 U	0.0054 U
4-Methyl-2-pentanone	~	~	0.01 U	0.0011 J	0.0033 J	-	0.016 U	-	0.016 U	0.002 J	-	0.017 U	0.013 U
Acetone	0.05	100	0.01 U	0.018	0.024	-	0.016 UJ	-	0.031 J	0.0095 J	-	0.0056 J	0.053 J
Benzene	0.06	4.8	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0011 J	-	0.0017 U	0.0013 U
Carbon disulfide	~	~	0.01 U	0.014 U	0.011 U	-	0.016 U	-	0.016 U	0.017 U	-	0.017 U	0.013 U
Chlorobenzene	1.1	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Chloroform	0.37	49	0.0016 U	0.0021 U	0.0017 U	-	0.0025 U	-	0.0024 U	0.0025 U	-	0.0026 U	0.002 U
cis-1,2-Dichloroethene	0.25	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Ethylbenzene	1	41	0.001 U	0.0014 U	0.0024	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Isopropylbenzene	~	~	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
n-Butylbenzene	12	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
n-Propylbenzene	3.9	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Naphthalene	12	100	0.0053 U	0.0069 U	0.0018 J	-	0.0082 U	-	0.0082 U	0.0062 J	-	0.0085 U	0.0067 U
o-Xylene	~	~	0.0021 U	0.0028 U	0.0058	-	0.0033 U	-	0.0033 U	0.0034 U	-	0.0034 U	0.0027 U
p-Isopropyltoluene	~	~	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
p/m-Xylene	~	~	0.0021 U	0.0028 U	0.01	-	0.0033 U	-	0.0033 U	0.0034 U	-	0.0034 U	0.0027 U
sec-Butylbenzene	11	100	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Tetrachloroethene	1.3	19	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Toluene	0.7	100	0.0016 U	0.00096 J	0.01	-	0.0025 U	-	0.0024 U	0.0011 J	-	0.0026 U	0.002 U
Trichloroethene	0.47	21	0.001 U	0.0014 U	0.0011 U	-	0.0016 U	-	0.0016 U	0.0017 U	-	0.0017 U	0.0013 U
Vinyl chloride	0.02	0.9	0.0021 U	0.0028 U	0.0022 UJ	-	0.0033 U	-	0.0033 U	0.0034 U	-	0.0034 U	0.0027 U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
2. Only detected compounds are shown in the table.
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are highlighted.
4. NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted and **bold**.
5. Non-detected compounds with reporting limits that exceed NYSDEC Part 375 Unrestricted Use SCO are *italicized*.
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. ND = Not Detected
9. mg/kg = milligrams per kilogram
10. ~ = Indicates that no regulatory limit has been established for this analyte
11. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

Qualifiers:

U = Analyte included in the analysis, but not detected.
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration
UJ = Indicates that the detection limit for the analyte is approximate. Identifies a deficiency in the date generation process.

Table 3B
Soil Sample Detection Summary - General Chemistry, PCBs, Pesticides and Metals
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	EB06_0-2 3/7/2014 L1404886-01	EB06_5-6.5 3/7/2014 L1404886-02	EB06_7.5-9 3/7/2014 L1404886-03	EB05_0-2 3/7/2014 L1404886-04	EB05_5-6.5 3/7/2014 L1404886-05	EB05_12-13.5 3/7/2014 L1404886-06	DUP01_030714 3/7/2014 L1404886-07	EB01_1-3 3/7/2014 L1404886-08	EB01_10-12 3/7/2014 L1404886-09	EB01_15-17 3/7/2014 L1404886-10	EB02_0.5-2 3/7/2014 L1404886-11	EB02_8-10 3/7/2014 L1404886-12	EB02_13-15 3/7/2014 L1404886-13
General Chemistry (mg/kg)															
Solids, Total	~	~	90.2	84.5	79.8	83.2	90.1	79.8	91.8	86.7	85.6	62.7	83.6	77.8	40.5
Pesticides (mg/km)															
Total Pesticides	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/km)															
Aroclor 1248	0.1	1	0.0362 U	0.0372 U	0.0397 U	0.0387 U	0.0366 U	0.0409 U	0.0347 U	0.0375 U	0.0375 U	0.0507 U	0.0384 U	0.0412 U	0.0792 U
Aroclor 1254	0.1	1	0.0362 U	0.0372 U	0.0397 U	0.0387 U	0.0366 U	0.0409 U	0.0347 U	0.0375 U	0.0375 U	0.0507 U	0.0384 U	0.0412 U	0.0792 U
Aroclor 1260	0.1	1	0.0362 U	0.0372 U	0.0397 U	0.0102 J	0.0366 U	0.0409 U	0.0347 U	0.0375 U	0.0375 U	0.0507 U	0.0181 J	0.0412 U	0.0792 U
Metals (mg/km)															
Aluminum, Total	~	~	6600	7400	5600	10000	1800	6400	3800	5900	4100	4500	3800	5500	15000
Antimony, Total	~	~	0.69 J	4.6 U	4.9 U	4.6 U	4.4 U	4.9 U	4.3 U	4.4 U	1.3 J	7.6	2 J	1.2 J	9.4 U
Arsenic, Total	13	16	3.2	2.3	2.7	3.7	0.94	3	1.2	2.2	6.4	8.2	**25**	4.2	5
Barium, Total	350	400	42	56	44	42	11	46	24	40	81	96	320	180	21
Beryllium, Total	7.2	72	0.25 J	0.3 J	0.22 J	0.42 J	0.19 J	0.23 J	0.14 J	0.23 J	0.25 J	0.41 J	0.18 J	0.2 J	0.76 J
Cadmium, Total	2.5	4.3	0.69 J	0.91 U	0.98 U	0.91 U	0.88 U	0.99 U	0.86 U	0.89 U	0.32 J	1 J	1	0.44 J	1.9 U
Calcium, Total	~	~	7000	1100	1700	1300	1000	1900	990	2800	3800	5200	14000	3600	3400
Chromium, Hexavalent	1	110	0.89 U	0.21 J	*1* U	0.96 U	0.89 U	*1* U	0.87 U	0.92 U	0.93 U	*1.3* UJ	0.96 UJ	*1* UJ	*2* UJ
Chromium, Total	~	~	19	19	15	22	5.1	16	10	12	11	12	11	21	23
Chromium, Trivalent	30	180	19	19	15	22	5.1	16	10	12	11	12	11	21	23
Cobalt, Total	~	~	4.8	6.3	8.2	6.8	3.6	6.4	3.5	4.6	4.4	5.5	3.2	4.6	5.9
Copper, Total	50	270	26	16	26	12	8.6	19	11	13	54	140	68	56	6.2
Iron, Total	~	~	12000	14000	15000	17000	5600	15000	8600	11000	12000	14000	17000	12000	18000
Lead, Total	63	400	85	3.4 J	4.5 J	17	1.6 J	3.3 J	2 J	27	260	**1100**	**670**	**980**	7.1 J
Magnesium, Total	~	~	3500	2600	2400	2700	1200	3000	1600	2400	1500	860	1400	2000	5700
Manganese, Total	1600	2000	190	420	310	350	120	340	180	250	180	120	140	190	140
Mercury, Total	0.18	0.81	0.05 J	0.09 U	0.09 U	0.05 J	0.08 U	0.09 U	0.08 U	0.1	0.79	0.63	0.44	0.25	*0.18* U
Nickel, Total	30	310	13	13	12	12	5	12	7.2	9.3	9.6	13	7.6	9.3	16
Potassium, Total	~	~	840	1400	1300	780	350	1600	870	960	530	590	530	790	2300
Selenium, Total	3.9	180	0.29 J	1.8 U	0.29 J	1.8 U	1.8 U	2 U	1.7 U	0.27 J	0.33 J	1.1 J	4.3	0.69 J	0.74 J
Silver, Total	2	180	0.32 J	0.91 U	0.33 J	0.91 U	0.23 J	0.99 U	0.21 J	0.18 J	0.22 J	0.64 J	15	0.44 J	1.9 U
Sodium, Total	~	~	190	91 J	120 J	50 J	57 J	110 J	52 J	230	370	820	230	190 J	1000
Vanadium, Total	~	~	19	22	22	25	6.5	23	12	19	15	22	16	18	32
Zinc, Total	109	10000	65	32	31	33	14	33	20	31	190	350	270	450	44

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
2. Only detected compounds are shown in the table
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are highlighted
4. NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted and **bold**
5. Non-detected compounds with reporting limits that exceed NYSDEC Part 375 Unrestricted Use SCO are *italicized*
6. PCBs = Polychlorinated Biphenyls
7. ND = Not Detected
8. mg/kg = milligrams per kilogram
9. ~ = Indicates that no regulatory limit has been established for this analyte
10. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

Qualifiers:

U = Analyte included in the analysis, but not detected
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration

Table 3B
Soil Sample Detection Summary - General Chemistry, PCBs, Pesticides and Metals
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	EB04_0.5-2 3/7/2014 L1404886-14	EB04_0.5-2 3/7/2014 L1404886-14 R1	EB04_9-10 3/7/2014 L1404886-15	EB03_0.5-2 3/7/2014 L1404886-16	EB03_8-10 3/7/2014 L1404886-17	SB01_10-11 12/2/2013 L1324383-02	SB01_10-11 12/2/2013 L1324383-02 R1	SB02_0-1 12/2/2013 L1324383-03	SB02_6-7 12/2/2013 L1324383-04	SB02_6-7 12/2/2013 L1324383-04 R1	SB02_11-12 12/2/2013 L1324383-05	SB02_11-12 12/2/2013 L1324383-05 R1	DUP01 12/2/2013 L1324383-06
General Chemistry (mg/kg)															
Solids, Total	~	~	85.8	-	86.1	72.2	70.3	89.8	-	88.7	75.8	75.8	83.2	-	81.2
Pesticides (mg/km)															
Total Pesticides	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/km)															
Aroclor 1248	0.1	1	0.0376 U	-	0.0372 U	0.0452 U	0.0458 U	0.0349 U	-	0.0358 U	0.0399 U	-	0.0397 U	-	0.0398 U
Aroclor 1254	0.1	1	0.0376 U	-	0.0372 U	0.0452 U	0.0458 U	0.0349 U	-	0.0358 U	0.0776	-	0.0397 U	-	0.0398 U
Aroclor 1260	0.1	1	0.0376 U	-	0.0372 U	0.0452 U	0.0458 U	0.0349 U	-	0.0358 U	0.287	-	0.0397 U	-	0.0398 U
Metals (mg/km)															
Aluminum, Total	~	~	4900	-	11000	4400	3000	- -	- -	- -	- -	- -	- -	- -	- -
Antimony, Total	~	~	0.89 J	-	4.5 U	2.7 J	5.4 U	- -	- -	- -	- -	- -	- -	- -	- -
Arsenic, Total	13	16	9	-	3	**32**	16	1.6	-	1.6	1.7	-	1.4	-	2.3
Barium, Total	350	400	82	-	21	**1100**	64	76	-	50	92	-	47	-	68
Beryllium, Total	7.2	72	0.18 J	-	0.3 J	0.31 J	0.24 J	0.38	-	0.35	0.52	-	0.19 J	-	0.27
Cadmium, Total	2.5	4.3	0.77 J	-	0.9 U	0.65 J	0.08 J	0.53	-	0.44	0.66	-	0.39 J	-	0.45 J
Calcium, Total	~	~	3200	-	1000	7100	13000	- -	- -	- -	- -	- -	- -	- -	- -
Chromium, Hexavalent	1	110	0.93 UJ	-	0.93 UJ	*1.1* UJ	*1.1* UJ	0.22 J	-	0.28 J	*1* U	-	0.96 U	-	0.98 U
Chromium, Total	~	~	20	-	25	27	8.8	22	-	23	30	-	16	-	19
Chromium, Trivalent	30	180	20	-	25	27	8.8	22	-	23	30	-	16	-	19
Cobalt, Total	~	~	5.2	-	5.4	7.6	11	- -	- -	- -	- -	- -	- -	- -	- -
Copper, Total	50	270	53	-	14	230	76	24	-	24	27	-	20	-	17
Iron, Total	~	~	26000	-	17000	40000	66000	- -	- -	- -	- -	- -	- -	- -	- -
Lead, Total	63	400	250	-	6.2	**1800**	120	6.3	-	5.7	17	-	4.1	-	4.5
Magnesium, Total	~	~	1800	-	2600	2300	700	- -	- -	- -	- -	- -	- -	- -	- -
Manganese, Total	1600	2000	330	-	140	280	170	430	-	400	610	-	270	-	400
Mercury, Total	0.18	0.81	0.52	-	0.09 U	**0.92**	0.62	0.08 U	-	0.09 U	0.1 U	-	0.1 U	-	0.1 U
Nickel, Total	30	310	10	-	11	38	15	21	-	15	24	-	13	-	15
Potassium, Total	~	~	680	-	850	560	310	- -	- -	- -	- -	- -	- -	- -	- -
Selenium, Total	3.9	180	0.38 J	-	0.3 J	1.2 J	7	0.86 U	-	0.16 J	0.24 J	-	0.16 J	-	0.94 U
Silver, Total	2	180	0.4 J	-	0.23 J	0.81 J	0.74 J	0.43 U	-	0.43 U	0.52 U	-	0.46 U	-	0.47 U
Sodium, Total	~	~	300	-	210	400	200 J	- -	- -	- -	- -	- -	- -	- -	- -
Vanadium, Total	~	~	23	-	28	52	9.4	- -	- -	- -	- -	- -	- -	- -	- -
Zinc, Total	109	10000	450	-	26	630	110	45	-	32	56	-	30	-	38

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
2. Only detected compounds are shown in the table
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are highlighted
4. NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted and **bold**
5. Non-detected compounds with reporting limits that exceed NYSDEC Part 375 Unrestricted Use SCO are *italicized*
6. PCBs = Polychlorinated Biphenyls
7. ND = Not Detected
8. mg/kg = milligrams per kilogram
9. ~ = Indicates that no regulatory limit has been established for this analyte
10. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

Qualifiers:
U = Analyte included in the analysis, but not detected
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration

Table 3B
Soil Sample Detection Summary - General Chemistry, PCBs, Pesticides and Metals
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	DUP01 12/2/2013 L1324383-06 R1	SB03_1-2 12/2/2013 L1324383-07	SB03_7-8 12/2/2013 L1324383-08	SB04_0-1 12/2/2013 L1324383-09	SB04_5-6 12/2/2013 L1324383-10	SB05_1-2 12/2/2013 L1324383-11	SB06_1-2 12/3/2013 L1324502-01	SB06_5-6 12/3/2013 L1324502-02	SB06_5-6 12/3/2013 L1324502-02 R1	SB07_0-1 12/3/2013 L1324502-03	SB07_0-1 12/3/2013 L1324502-03 R1	SB08_1-2 12/3/2013 L1324502-05	SB08_10-11 12/3/2013 L1324502-06
General Chemistry (mg/kg)															
Solids, Total	~	~	-	88.6	79.6	83.9	80.6	91.1	88.6	87.8	-	84.6	-	87.3	68.9
Pesticides (mg/km)															
Total Pesticides	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/km)															
Aroclor 1248	0.1	1	-	0.0364 U	0.0412 U	0.0378 U	0.0395 U	0.0361 U	0.0354 U	0.0229 J	0.0128 J	0.0375 U	-	0.0373 U	0.0472 U
Aroclor 1254	0.1	1	-	0.0364 U	0.0412 U	0.0378 U	0.0395 U	0.0361 U	0.0354 U	0.0152 J	0.00952 J	0.0375 U	-	0.0373 U	0.0472 U
Aroclor 1260	0.1	1	-	0.0364 U	0.0412 U	0.0378 U	0.0395 U	0.0361 U	0.0354 U	0.0371 U	0.0362 U	0.0375 U	-	0.0373 U	0.0472 U
Metals (mg/km)															
Aluminum, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Antimony, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Arsenic, Total	13	16	-	2.5	1.3	3.9	1.7	4.5	9.4	7	-	11	-	9.9	6
Barium, Total	350	400	-	52	61	42	51	110	320	130	-	220	-	250	40
Beryllium, Total	7.2	72	-	0.18 J	0.36	0.34	0.3	0.3	0.26	0.13 J	-	0.2 J	-	0.14 J	0.18 J
Cadmium, Total	2.5	4.3	-	0.41 J	0.43 J	0.51	0.46 J	0.61	1.8	0.82	-	1.4	-	0.95	0.36 J
Calcium, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chromium, Hexavalent	1	110	-	0.9 U	*1* U	0.95 U	0.99 U	0.88 U	**3.8**	0.91 U	-	0.94 U	-	0.92 U	*1.2* U
Chromium, Total	~	~	-	9.4	19	11	27	260	940	260	-	13	-	13	13
Chromium, Trivalent	30	180	-	9.4	19	11	27	**260**	**936**	**260**	-	13	-	13	13
Cobalt, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Copper, Total	50	270	-	69	20	15	20	53	**720**	260	-	140	-	85	13
Iron, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Lead, Total	63	400	-	170	5	14	5.4	260	**780**	340	-	**1000**	-	**990**	160
Magnesium, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Manganese, Total	1600	2000	-	180	430	190	280	280	**2300**	910	-	180	-	150	160
Mercury, Total	0.18	0.81	-	0.18	0.09 U	0.09 U	0.08 U	**1.8**	**1.3**	**2.4**	-	**2.4**	-	0.38	0.2
Nickel, Total	30	310	-	8.2	15	5.8	16	12	33	17	-	13	-	13	8.3
Potassium, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Selenium, Total	3.9	180	-	0.24 J	0.98 U	0.16 J	0.31 J	0.38 J	0.24 J	0.41 J	-	1	-	0.51 J	0.27 J
Silver, Total	2	180	-	0.44 U	0.49 U	0.45 U	0.47 U	0.1 J	2.9	1.3	-	0.37 J	-	0.11 J	0.55 U
Sodium, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Vanadium, Total	~	~	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Zinc, Total	109	10000	-	76	36	190	35	210	3200	1300	-	500	-	240	44

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
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6. PCBs = Polychlorinated Biphenyls
7. ND = Not Detected
8. mg/kg = milligrams per kilogram
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10. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

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Table 3B
Soil Sample Detection Summary - General Chemistry, PCBs, Pesticides and Metals
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

SAMPLE ID SAMPLING DATE LAB SAMPLE ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	SB08_10-11 12/3/2013 L1324502-06 R1		SB09_1-2 12/3/2013 L1324502-07		SB09_5-6 12/3/2013 L1324502-08	
General Chemistry (mg/kg)								
Solids, Total	~	~	-		86.5		82.8	
Pesticides (mg/km)								
Total Pesticides	~	~	ND		ND		ND	
PCBs (mg/km)								
Aroclor 1248	0.1	1	0.0462	U	0.0375	U	0.0381	U
Aroclor 1254	0.1	1	0.0462	U	0.0375	U	0.0381	U
Aroclor 1260	0.1	1	0.0462	U	0.0375	U	0.0381	U
Metals (mg/km)								
Aluminum, Total	~	~	-	-	-	-	-	-
Antimony, Total	~	~	-	-	-	-	-	-
Arsenic, Total	13	16	-		9.2		15	
Barium, Total	350	400	-		160		330	
Beryllium, Total	7.2	72	-		0.18	J	0.19	J
Cadmium, Total	2.5	4.3	-		0.74		2.4	
Calcium, Total	~	~	-	-	-	-	-	-
Chromium, Hexavalent	1	110	-		0.92	U	0.97	U
Chromium, Total	~	~	-		20		18	
Chromium, Trivalent	30	180	-		20		18	
Cobalt, Total	~	~	-	-	-	-	-	-
Copper, Total	50	270	-		79		59	
Iron, Total	~	~	-	-	-	-	-	-
Lead, Total	63	400	-		330		**680**	
Magnesium, Total	~	~	-	-	-	-	-	-
Manganese, Total	1600	2000	-		140		110	
Mercury, Total	0.18	0.81	-		**1.7**		**1.7**	
Nickel, Total	30	310	-		38		7.6	
Potassium, Total	~	~	-	-	-	-	-	-
Selenium, Total	3.9	180	-		0.41	J	1.3	
Silver, Total	2	180	-		0.12	J	0.33	J
Sodium, Total	~	~	-	-	-	-	-	-
Vanadium, Total	~	~	-	-	-	-	-	-
Zinc, Total	109	10000	-		210		660	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs
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7. ND = Not Detected
8. mg/kg = milligrams per kilogram
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10. Duplicate sample DUP01_030714 was collected from EB05_5-6.5 and DUP01 was collected from SB02_11-12

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Table 4A
Groundwater Sample Detection Summary - VOCs and SVOCs
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY
Langan Project No. 170281401

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TOGS AWQS	MW01_20131210 12/10/2013 L1325079-05		MW02_20131210 12/10/2013 L1325079-07		MW03_20131210 12/10/2013 L1325079-06		MW06_20131210 12/10/2013 L1325079-01		DUP02 12/10/2013 L1325079-02		MW07_20131210 12/10/2013 L1325079-03		MW08_031414 3/14/2014 L1405435-01		MW09_031414 3/14/2014 L1405435-02		MW10_031414 3/14/2014 L1405435-03		MW11_031414 3/14/2014 L1405435-04		MWDUP01_031414 3/14/2014 L1405435-05	
VOCs (ug/l)																							
1,1,1-Trichloroethane	5	**51**	J	**18**	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	5	**45**	J	*25*	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	~	50	U	20	U	2	U	34		32		2	U	2	U	6.6		2	U	2	U	2	U
1,2,4-Trimethylbenzene	5	*62*	UJ	*25*	UJ	2.5	UJ	2.5	U	**16**	J	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	~	50	U	20	U	2	U	9.4		9.4		2	U	2	U	1.3	J	2	U	2	U	2	U
Acetone	50	*120*	U	*50*	U	5	U	4.4	J	5.3		2.1	J	5	UJ	5	UJ	20	J	1.8	J	5	UJ
Benzene	1	*12*	U	*5*	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.71		0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	**1200**		**26**		0.7	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	*62*	U	*25*	U	2.5	U	**19**		**20**		2.5	U	2.5	U	**5.9**		2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	*62*	U	*25*	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.83	J	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	*62*	U	25	U	2.5	U	**12**		**12**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	*62*	U	25	U	2.5	U	**30**		**31**		2.5	U	2.5	U	3.4		2.5	U	2.5	U	2.5	U
o-Xylene	5	*62*	U	25	U	2.5	U	4.6	J	4.6		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	*62*	U	*25*	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1.3	J	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	*62*	U	*25*	U	2.5	U	**13**		**13**		2.5	U	2.5	U	0.85	J	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	*62*	U	*25*	U	2.5	U	1.6	J	1.7	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	**1500**		**630**		**7.3**		0.5	U	0.5	U	0.5	U	0.5	U	0.31	J	0.5	U	1.2		1.2	
Toluene	5	*62*	U	*25*	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**7.8**		2.5	U	2.5	U
Trichloroethene	5	**440**		**59**		1.5		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.36	J	0.38	J
Vinyl chloride	2	**200**		*10*	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SVOCs (ug/l)																							
1,2,4-Trichlorobenzene	5	3	J	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
1,2-Dichlorobenzene	3	**5.6**		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	**6**		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2.2		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylnaphthalene	~	0.2	U	0.2	U	0.2	U	0.12	J	0.12	J	0.2	U	0.2	U	0.2	U	0.07	J	0.2	U	0.2	U
Acenaphthene	20	0.2	U	0.2	U	0.2	U	2.9		2.6		0.15	J	0.2	U	0.27		0.2	U	0.2	U	0.2	U
Anthracene	50	0.2	U	0.2	U	0.2	U	0.3		0.28		0.2	U	0.2	U	0.08	J	0.08	J	0.2	U	0.2	U
Benzo(a)anthracene	~	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.06	J	0.2	U	0.2	U
Benzo(a)pyrene	0	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.15**	J	*0.2*	U	*0.2*	U
Benzo(b)fluoranthene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.14**	J	*0.2*	U	*0.2*	U
Benzoic Acid	~	50	UJ	50	UJ	50	UJ	50	UJ	50	UJ	50	UJ	50	U	4.2	J	39	J	50	U	50	U
Dibenzofuran	~	2	U	2	U	2	U	3.8		3.3		2	U	2	U	2	U	2	U	2	U	2	U
Fluoranthene	50	0.2	U	0.2	U	0.2	U	0.17	J	0.15	J	0.07	J	0.2	U	0.09	J	0.12	J	0.2	U	0.2	U
Fluorene	50	0.2	U	0.2	U	0.2	U	4.5		4.2		0.08	J	0.2	U	0.17	J	0.2	U	0.2	U	0.2	U
Indeno(1,2,3-cd)Pyrene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.16**	J	*0.2*	U	*0.2*	U
Naphthalene	10	0.2	U	0.2	U	0.07	J	0.2	U	0.2	U	0.1	J	0.2	U	0.2	U	0.13	J	0.2	U	0.2	U
Phenanthrene	50	0.2	U	0.2	U	0.2	U	5.3		4.7		0.16	J	0.2	U	0.41		0.17	J	0.2	U	0.2	U
Phenol	1	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	**28**		*5*	U	*5*	U
Pyrene	50	0.2	U	0.2	U	0.2	U	0.14	J	0.12	J	0.06	J	0.2	U	0.08	J	0.11	J	0.2	U	0.2	U

Notes:
1. Groundwater sample analytical results were compared to NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for class GA. groundwater
2. Only detected compounds are shown in the table.
3. TOGS AWQS exceedances are highlighted and **bold**.
4. Non-detected compounds with reporting limits that exceed TOGS AWQS are *italicized*.
5. Duplicate sample DUP02 was collected from MW06 and MWDUP01_031414 was collected from MW11.
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. ND = Not Detected
9. mg/kg = milligrams per kilogram
10. ~ = Indicates that no regulatory limit has been established for this analyte
11. - = Indicates that compound was not analyzed

Qualifiers:
U = Analyte included in the analysis, but not detected.
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration.
UJ = Indicates that the detection limit for the analyte is approximate. Identifies a deficiency in the date generation process.

Table 4B
Groundwater Sample Detection Summary - Total Metals, Dissolved Metals, Pesticides and PCBs
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY
Langan Project No. 170281401

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TOGS AWQS	MW01_20131210 12/10/2013 L1325079-05	MW02_20131210 12/10/2013 L1325079-07	MW03_20131210 12/10/2013 L1325079-06	MW06_20131210 12/10/2013 L1325079-01	DUP02 12/10/2013 L1325079-02	MW07_20131210 12/10/2013 L1325079-03	MW08_031414 3/14/2014 L1405435-01	MW09_031414 3/14/2014 L1405435-02	MW10_031414 3/14/2014 L1405435-03	MW11_031414 3/14/2014 L1405435-04	MWDUP01_031414 3/14/2014 L1405435-05
Total Metals (ug/l)												
Aluminum, Total	~	40.9	23.4	11.6	90.8	93.3	29.5	40.9 J	37.2	348	14.9	16.2
Antimony, Total	3	0.24 J	0.26 J	0.26 J	1.23	1.18	0.43 J	1.97 J	1.68 J	1.65 J	1.3 J	1.4 J
Arsenic, Total	25	0.72	0.44 J	0.34 J	8.44	8.69	2.58	1.86	4.03	6.41	0.38 J	0.41 J
Barium, Total	1000	80.43	110.6	80.58	60.79	61.06	91.34	233.5	37.28	83.6	65.11	62.51
Cadmium, Total	5	0.14 J	0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.17 J	0.2 U	0.2 U	0.17 J	0.14 J
Calcium, Total	~	121000	239000	162000	111000	126000	117000	220000	29200	56400	146000	139000
Chromium, Total	50	0.8 J	3.58	**55.55**	1.55	1.19	1.27	0.55 J	0.77 J	1.85	7.23	6.96
Cobalt, Total	~	2.28	0.8	0.51	0.5	0.5	0.74	1.72	0.17 J	1.4	0.76	0.74
Copper, Total	200	1.54	1.96	1.82	0.56 J	0.69 J	0.56 J	8.78	0.8 J	2.1	2.65	2.56
Iron, Total	300	**439**	**692**	**482**	**19100**	**19400**	**24200**	**17400**	**1060**	**11900**	56.9	56.4
Lead, Total	25	0.35 J	1 U	1 U	1.59	1.38	5.17	4.94	4.11	2.2	0.22 J	0.2 J
Magnesium, Total	35000	9930	15700	14100	8060	8120	7640	20800	2280	18900	12300	12200
Manganese, Total	300	**2626**	**414**	85.64	**1222**	**1353**	**1920**	**929.2**	85.07	**364.3**	**480.8**	**479.6**
Nickel, Total	100	3.15	2.77	2.26	1.43	1.41	1.08	2.37	0.41 J	6.6	9.1	8.52
Potassium, Total	~	11000	11700	15300	14200	14400	12000	9890	5050	26900	13300	13000
Selenium, Total	10	0.76 J	2.88 J	9.91	2.93 J	2.59 J	0.65 J	5 U	5 U	0.95 J	6.36	6.33
Sodium, Total	20000	**120000**	**27400**	**32400**	**75100**	**81800**	**33100**	**211000**	13700	**314000**	18300	18200
Thallium, Total	0.5	*0.5* U	*0.5* U	0.03 J	0.2 U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	0.5 U
Vanadium, Total	~	1.17 J	0.9 J	5 U	1.32 J	1.18 J	0.8 J	0.31 J	5 U	2.71 J	5 U	5 U
Zinc, Total	2000	7.15 J	8.83 J	6.2 J	10.12	9.36 J	18.55	62.02	5 J	5.6 J	7.73 J	7.54 J
Dissolved Metals (ug/l)												
Aluminum, Dissolved	~	2.16 J	7.99 J	10 U	30.4	29.8	3.32 J	3.43 J	20	17.6 J	10 U	10 U
Antimony, Dissolved	3	0.27 J	0.27 J	0.29 J	1.43	1.39	0.41 J	0.3 J	1.24 J	1.12 J	0.4 J	0.35 J
Arsenic, Dissolved	25	0.7	0.42 J	0.27 J	8.91	8.86	2.51	2.36	3.5	6.44	0.5 U	0.26 J
Barium, Dissolved	1000	81.67	109.2	77.07	60.99	59.8	87.88	220.5	34.26	74.24	59.81	60.58
Cadmium, Dissolved	5	0.15 J	0.09 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.13 J	0.12 J
Calcium, Dissolved	~	120000	232000	159000	119000	120000	118000	218000	36400	67700	131000	137000
Chromium, Dissolved	50	3.08	6.73	**59.17**	4.22	5.3	5.17	2.59	0.94 J	5.88	8.03	7.71
Cobalt, Dissolved	~	2.33	0.81	0.51	0.45 J	0.47 J	0.7	1.66	0.19 J	1.1	0.71	0.74
Copper, Dissolved	200	1.28	1.88	1.86	0.41 J	0.5 J	0.36 J	1.22	0.32 J	1.05 J	2.45	2.59
Iron, Dissolved	300	**358**	**660**	**433**	**18600**	**18800**	**23600**	**16400**	**1030**	**9470**	**604** J	**612** J
Lead, Dissolved	25	1 U	1 U	1 U	0.24 J	0.24 J	1 U	0.41 J	0.39 J	0.48 J	1 U	1 U
Magnesium, Dissolved	35000	10200	15800	14000	8200	8100	7540	19100	2130	21200	11000	11100
Manganese, Dissolved	300	**2626**	**421.4**	83.48	**1274**	**1264**	**1977**	**912**	75.9	**314.6**	**439**	**442.4**
Nickel, Dissolved	100	3.23	2.64	2.25	1.53	1.58	0.97	3.8	0.57	9.97	8.54	8.78
Potassium, Dissolved	~	11200	11400	14700	14600	14600	11700	13000	4710	29600	11900	12100
Selenium, Dissolved	10	0.73 J	3.31 J	**11.2**	3.83 J	3.35 J	0.77 J	1.56 J	0.6 J	2.6 J	6.95	6.86
Silver, Dissolved	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 J	0.8 U	0.4 U	0.4 U
Sodium, Dissolved	20000	**122000**	**27500**	**31700**	**83600**	**82000**	**34100**	**225000**	13000	**320000**	16800	17100
Thallium, Dissolved	0.5	*0.5* U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	*0.5* U	0.03 J	*1* U	*0.5* U	*0.5* U
Vanadium, Dissolved	~	1.74 J	1.58 J	0.36 J	1.8 J	2.1 J	1.67 J	0.83 J	0.29 J	2.64 J	0.84 J	0.73 J
Zinc, Dissolved	2000	6.37 J	6.39 J	3.82 J	8.3 J	8.33 J	13.3	50.5	2.14 J	7.81 J	6.82 J	6.5 J
Pesticides (ug/l)												
Alpha-BHC	0.01	*0.02* U	*0.02* U	*0.02* U	**0.041** P	**0.03**	*0.02* U	*0.02* U	*0.02* U	*0.02* U	*0.02* U	*0.02* U
Beta-BHC	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.015 J	0.02 U	0.02 U	0.013 J	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U	0.026 PI	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCBs (ug/l)												
Total PCBs	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. Groundwater sample analytical results were compared to NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for class GA. groundwater
2. Only detected compounds are shown in the table.
3. TOGS AWQS exceedances are highlighted and **bold**.
4. Non-detected compounds with reporting limits that exceed TOGS AWQS are *italicized*.
5. Duplicate sample DUP02 was collected from MW06 and MWDUP01_031414 was collected from MW11.
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. PCBs = Polychlorinated Biphenyls
9. ND = Not Detected
10. mg/kg = milligrams per kilogram
11. ~ = Indicates that no regulatory limit has been established for this analyte
12. - = Indicates that compound was not analyzed

Qualifiers:
U = Analyte included in the analysis, but not detected.
J = Analyte detected at or above the Method Detection Limit but below the Reporting Limit; therefore, the result is an estimated concentration

Table 5A
Soil Vapor Sample Detection Summary - SV01 to SV04 2013 Monitoring
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY
Langan Project No. 170281401

LOCATION	AMBIENT		SV01_20131210		SV02_20131210		SV03_20131210		SV04_20131210	
SAMPLING DATE	12/10/2013		12/10/2013		12/10/2013		12/10/2013		12/10/2013	
LAB SAMPLE ID	L1325098-05		L1325098-01		L1325098-02		L1325098-03		L1325098-04	
Volatile Organic Compounds (VOC) (ug/m3)										
1,1,1-Trichloroethane	1.09	U	**4.27**		**3.15**		**7.53**		**7.47**	
1,2,4-Trimethylbenzene	0.983	U	**3.5**		**2.24**		**4.22**		**3.37**	
1,3,5-Trimethylbenzene	0.983	U	**1.32**		0.983	U	**1.66**		**1.62**	
1,3-Butadiene	0.442	U	0.442	U	**1.29**		0.442	U	0.442	U
2,2,4-Trimethylpentane	1.39		**10**		**8.36**		**3.13**		**9.29**	
2-Butanone	0.964		**41.6**		**10.9**		**83.5**		**133**	
4-Ethyltoluene	0.983	U	**1.26**		0.983	U	**1.72**		**1.63**	
4-Methyl-2-pentanone	0.82	U	**1.15**		**0.918**		**2.08**		0.82	U
Acetone	9.98		**247**		**27.1**		**71.7**		**285**	
Benzene	1.35		**4.34**		**7.19**		**2.58**		**7.6**	
Carbon disulfide	0.623	U	**2.09**		**8.97**		**0.841**		**6.94**	
Carbon tetrachloride	1.26	U	**1.57**		1.26	U	1.26	U	1.26	U
Chloroform	0.977	U	**8.99**		**2.66**		**4.18**		**3.35**	
Chloromethane	1.31		0.413	U	0.413	U	0.413	U	0.413	U
Cyclohexane	0.688	U	**5.2**		**4.03**		**1.49**		**2.54**	
Dichlorodifluoromethane	2.17		1.64		1.58		1.6		1.51	
Ethanol	14.3		**108**		**23.2**		**80.5**		**173**	
Ethylbenzene	0.869	U	**4.91**		**3.91**		**3.41**		**4.11**	
Freon-113	1.53	U	1.53	U	4.51		1.53	U	1.53	U
Heptane	0.82	U	**9.14**		**7.7**		**2.69**		**4.84**	
Isopropanol	3.52		2.85		1.23	U	2.51		**5.9**	
Methyl tert butyl ether	0.721	U	**2.33**		**1.36**		0.721	U	1.07	
Methylene chloride	3.47	U	**21**		**3.61**		**16.8**		**33.1**	
n-Hexane	1.3		**6.1**		**5.39**		**1.53**		**6.06**	
o-Xylene	0.869	U	**5.39**		**4.52**		**4.69**		**5.21**	
p/m-Xylene	1.92		**16.2**		**12.5**		**13.1**		**14.4**	
Propylene	1.26		0.861	U	**8.31**		0.861	U	0.945	
Tetrachloroethene	3.23		2.56		2.69		**16.7**		2.04	
Tetrahydrofuran	0.59	U	**3.89**		**1.21**		**4.07**		**3.92**	
Toluene	6.07		**27.4**		**22.2**		**18.6**		**25.6**	
Trichloroethene	1.07	U	**11.1**		1.07	U	1.07	U	**15.2**	
Trichlorofluoromethane	1.84		1.47		1.61		1.58		1.69	

NOTES:
1. Only detected compounds are shown in table.
2. Soil vapor analytical results are compared to ambient air collected on 12/10/2013.
3. µg/m3 = micrograms per cubic meter.
4. Compounds detected above ambient air concentrations are highlighted and **bold.**

QUALIFIER:
U= Analyte included in the analysis, but not detected.

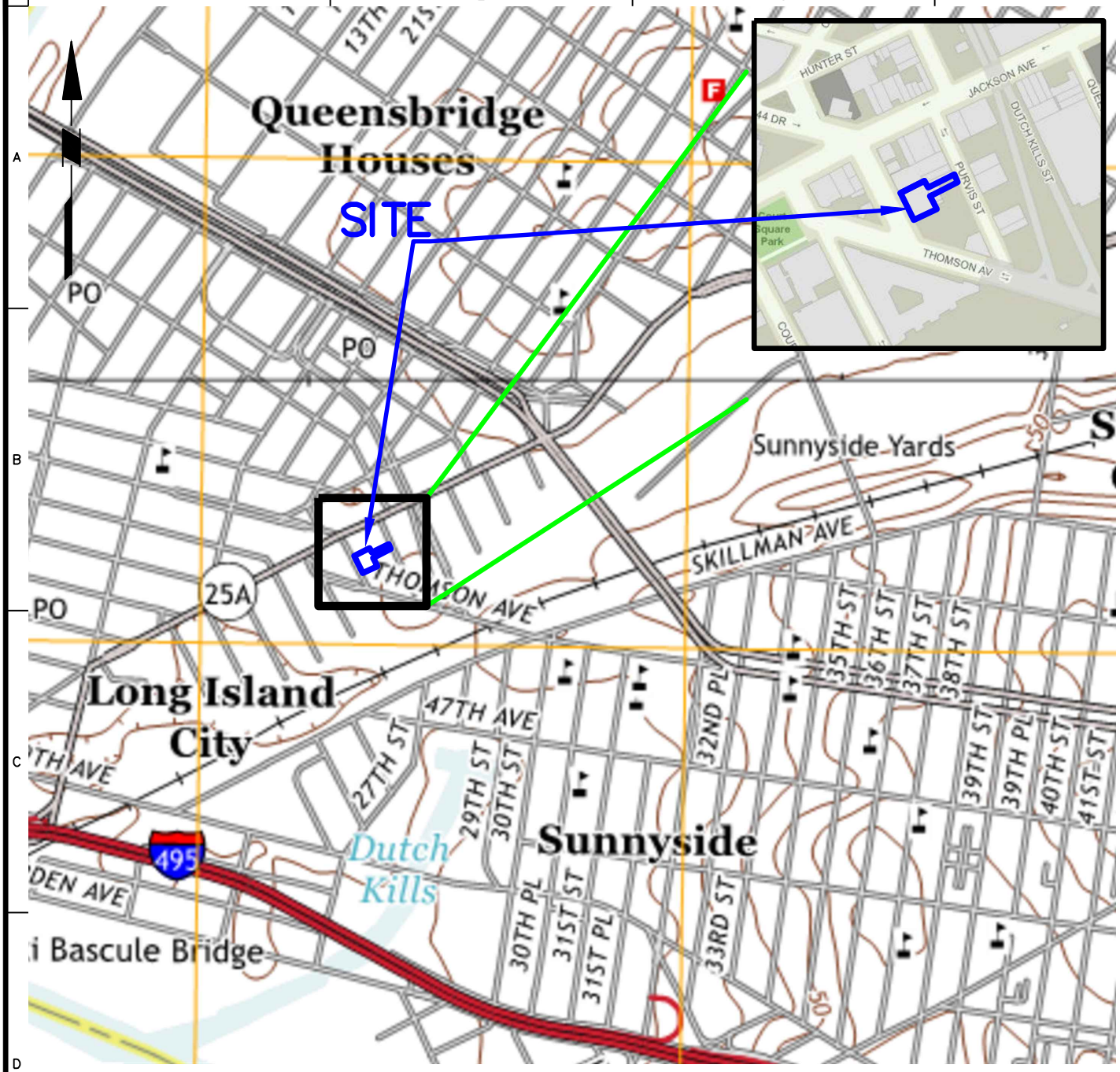
Table 5B
Soil Vapor Sample Detection Summary - SV05 to SV11 2014 Monitoring
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY
Langan Project No. 170281401

SAMPLE ID	AA01_030714		SV10_030714		SV09_030714		SV07_030714		SV11_030714		SV05_030714		SV06_030714		SV08B_030714	
SAMPLING DATE	3/7/2014		3/7/2014		3/7/2014		3/7/2014		3/7/2014		3/7/2014		3/7/2014		41705	
LAB SAMPLE ID	L1405059-02		L1405059-01		L1405059-03		L1405059-04		L1405059-05		L1405059-06		L1405059-07		L1405059-08	
Volatile Organic Compounds (VOC) (µg/m3)																
1,1,1-Trichloroethane	1.09	U	**11.9**		**255**		10.9	U	**3.14**		**4.44**		**2.41**		5.46	U
1,1-Dichloroethane	0.809	U	2.7	U	**1.26**		8.09	U	0.809	U	0.809	U	0.809	U	4.05	U
1,2,4-Trimethylbenzene	0.983	U	**42.5**		**1.69**		9.83	U	0.983	U	**1.94**		0.983	U	4.92	U
1,3,5-Trimethylbenzene	0.983	U	**37.6**		0.983	U	9.83	U	0.983	U	0.983	U	0.983	U	4.92	U
1,3-Butadiene	0.442	U	**26.5**		**4.78**		4.42	U	0.442	U	0.442	U	**0.788**		2.21	U
2-Butanone	0.59	U	**19.6**		**8.23**		**6.87**		**11.2**		**39.8**		**10.4**		**9.61**	
2-Hexanone	0.82	U	2.73	U	0.82	U	8.2	U	0.82	U	**6.64**		0.82	U	4.1	U
4-Ethyltoluene	0.983	U	**22.9**		0.983	U	9.83	U	0.983	U	0.983	U	0.983	U	4.92	U
4-Methyl-2-pentanone	0.82	U	**27.1**		**7.09**		8.2	U	**1.93**		**5.16**		**2**		4.1	U
Acetone	15.3		**118**		**27.6**		23.8	U	**48**		**122**		**83.4**		**59.6**	
Benzene	1.06		**223**		**2.39**		**8.08**		**1.73**		**2.34**		**25.7**		3.19	U
Bromomethane	0.777	U	2.59	U	0.777	U	7.77	U	**0.878**		0.777	U	0.777	U	3.88	U
Carbon disulfide	0.623	U	**16.9**		**5.73**		**9.06**		**33**		**1.65**		**23.9**		**6.04**	
Carbon tetrachloride	1.26	U	4.2	U	1.26	U	**21**		1.26	U	1.26	U	1.26	U	6.29	U
Chloroform	0.977	U	3.26	U	**1.21**		**10.8**		**2.49**		0.977	U	**8.06**		**51.3**	
Chloromethane	1.13		**2.09**		0.413	U	4.13	U	**1.35**		0.413	U	0.413	U	2.07	U
Cyclohexane	0.688	U	**24.4**		0.688	U	**764**		**4.27**		**2.02**		**1.53**		3.44	U
Dichlorodifluoromethane	1.37		3.3	U	0.989	U	9.89	U	1.32		1.22		1.15		4.94	U
Ethanol	7.18		**38.1**		**6.26**		47.1	U	**17.6**		**29.2**		**27.3**		23.6	U
Ethyl Acetate	1.8	U	6.02	U	**3.07**		18	U	1.8	U	**4.29**		1.8	U	9.01	U
Ethylbenzene	0.869	U	**25**		**1.3**		8.69	U	**1.32**		**1.15**		**0.938**		4.34	U
Freon-113	1.53	U	5.11	U	**2.07**		15.3	U	1.53	U	1.53	U	1.53	U	7.66	U
Heptane	0.82	U	**86.1**		**1.59**		**897**		**242**		**8.57**		**92.6**		**5.41**	
Isopropanol	1.61		**7.92**		1.23	U	12.3	U	**1.73**		**3.81**		**6.24**		6.15	U
n-Hexane	0.705	U	**29.4**		**1.89**		**1060**		**111**		**8.78**		**244**		3.52	U
o-Xylene	0.869	U	**49.1**		**1.52**		8.69	U	**1.27**		**1.43**		**1.03**		**4.43**	
p/m-Xylene	1.74	U	**73.8**		**4.19**		17.4	U	**3.97**		**3.77**		**3.23**		**9.43**	
Styrene	0.852	U	**9.54**		**2.32**		8.52	U	0.852	U	**3.1**		**3.53**		4.26	U
Tertiary butyl Alcohol	1.52	U	5.06	U	1.52	U	15.2	U	1.52	U	**4.97**		**3.76**		7.58	U
Tetrachloroethene	4.25		**652**		**11.1**		**29.1**		**11.1**		1.36	U	1.84		**14.5**	
Tetrahydrofuran	0.59	U	**4.28**		**0.994**		5.9	U	**2.24**		**2.68**		**1.81**		2.95	U
Toluene	4.71		**953**		**7.99**		**15.1**		**140**		**18.7**		**26.5**		**18**	
Trichloroethene	1.07	U	**54.8**		1.07	U	10.7	U	1.07	U	1.07	U	1.07	U	5.37	U
Trichlorofluoromethane	1.12	U	3.75	U	**1.64**		11.2	U	1.12	U	1.12	U	1.12	U	5.62	U
Vinyl chloride	0.511	U	**7.49**		0.511	U	5.11	U	0.511	U	0.511	U	0.511	U	2.56	U

Notes:
1. Only detected compounds are shown in table.
2. µg/m3 = micrograms per cubic meter.
3. Soil vapor analytical results are compared to ambient air collected on 3/7/2014.
4. Compounds detected above ambient air concentrations are highlighted and **bold.**

Qualifiers:
U= Analyte included in the analysis, but not detected.

FIGURES



LEGEND:

SITE BOUNDARY

NOTES:

1. BASE MAP TAKEN FROM UNITED STATES GEOLOGICAL SURVEY (USGS), BROOKLYN QUADRANGLE 7.5 SERIES, DATED JULY 2007
2. INSET BASE MAP TAKEN FROM http://maps.nyc.gov/doitt/nycitymap/

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NJ Electronic Authorization No. 24GA27996400

Project	Purves Street Development BLOCK No. 268, LOT Nos. 4 and 23 QUEENS NEW YORK
Drawing Title	SITE LOCATION MAP
Project No.	170281401
Date	03/14/2014
Scale	NTS
Drawn By	JPA
Submission Date	–
Drawing No.	1
	Sheet 1 of 8

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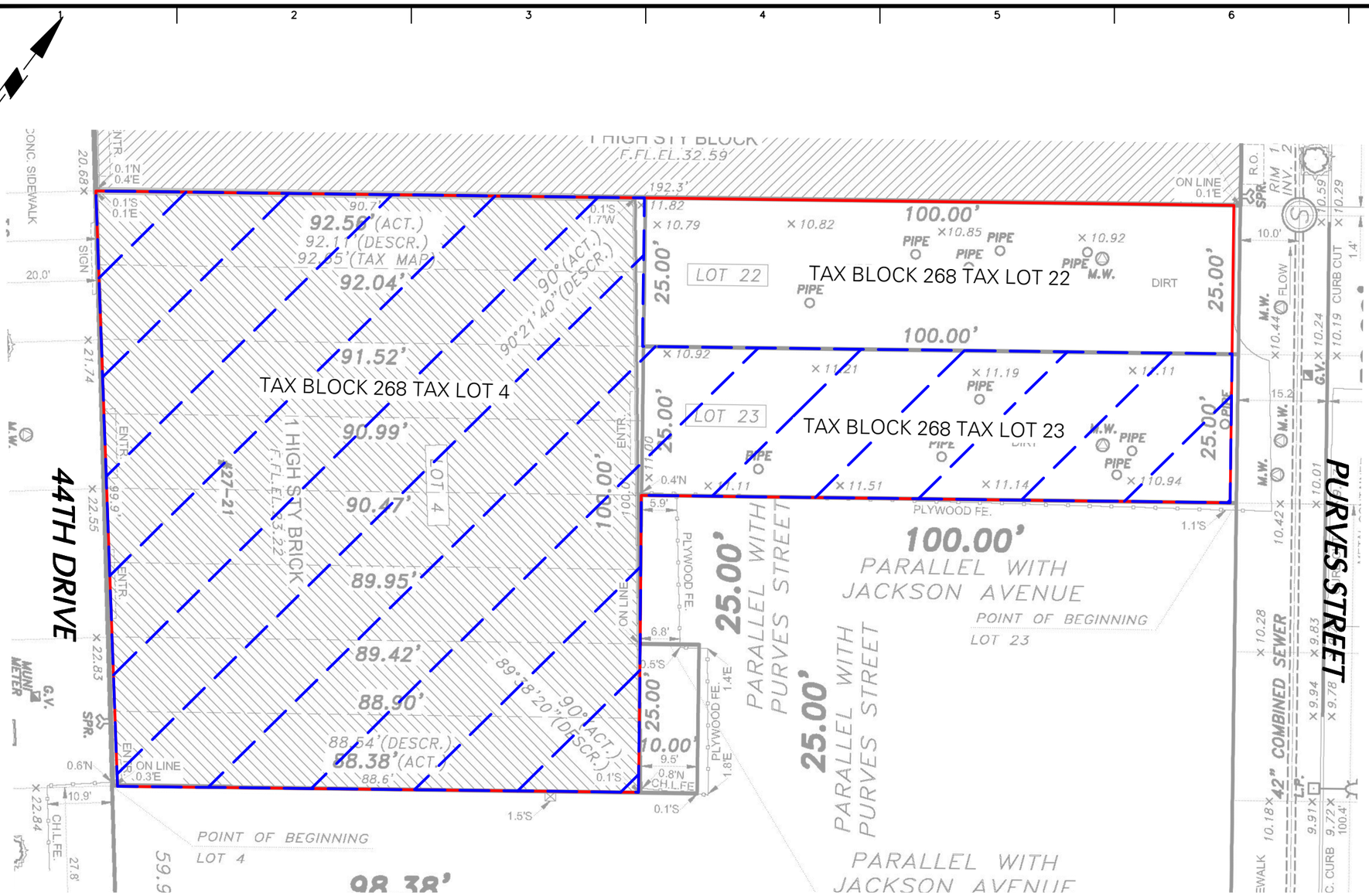

LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT
- EXISTING BUILDINGS

NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHICAL SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS (EL.) ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

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BLOCK No. 268, LOT Nos. 4, 22 and 23
QUEENS **NEW YORK**

Drawing Title
SITE PLAN

Project No. 170281401	Drawing No. 2
Date 8/8/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date –	Sheet 2 of 8

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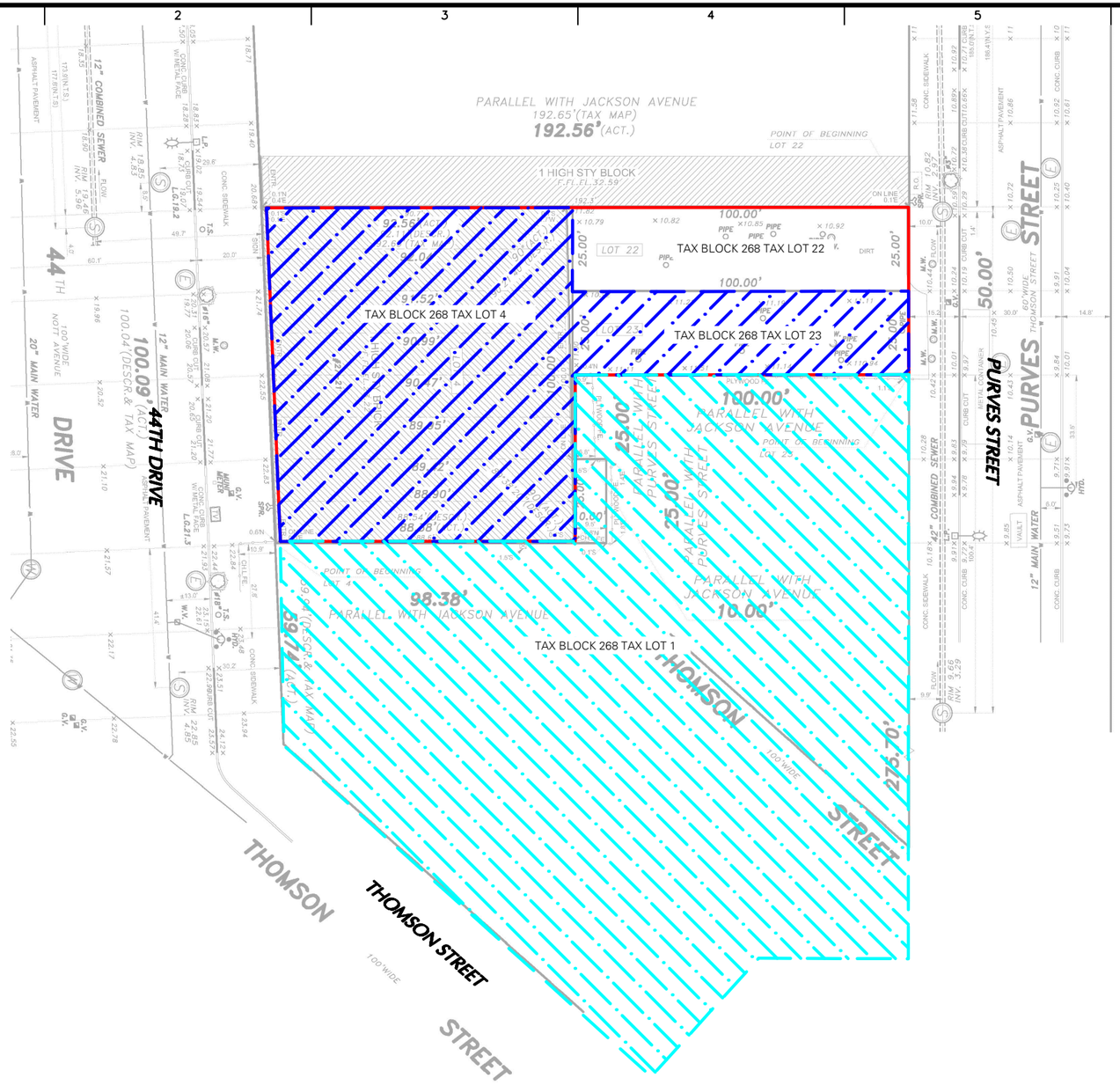
Filename: \\Langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\Supplemental Investigation\Figure 2.Site Plan_Rev.2014.03.24.dwg Date: 9/17/2014 Time: 13:31 User: atashji Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. c241164)
- APPROXIMATE BOUNDARY OF ADJACENT BCP SITE (BCP SITE No. C241162)
- EXISTING BUILDING

GENERAL NOTES:

1. BASE MAP IS REFERENCED FROM PERFECT POINT LAND SURVEYING RT "TOPOGRAPHICAL SURVEY", DATED APRIL 2, 2014.
2. ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

40 0 10 25 40
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Drawing Title
SURROUNDING SITES PLAN

Project No. 170281401	Drawing No. 3
Date 9/16/2014	
Scale 1" = 40'	
Drawn By AT X	
Submission Date	Sheet 3 of 8

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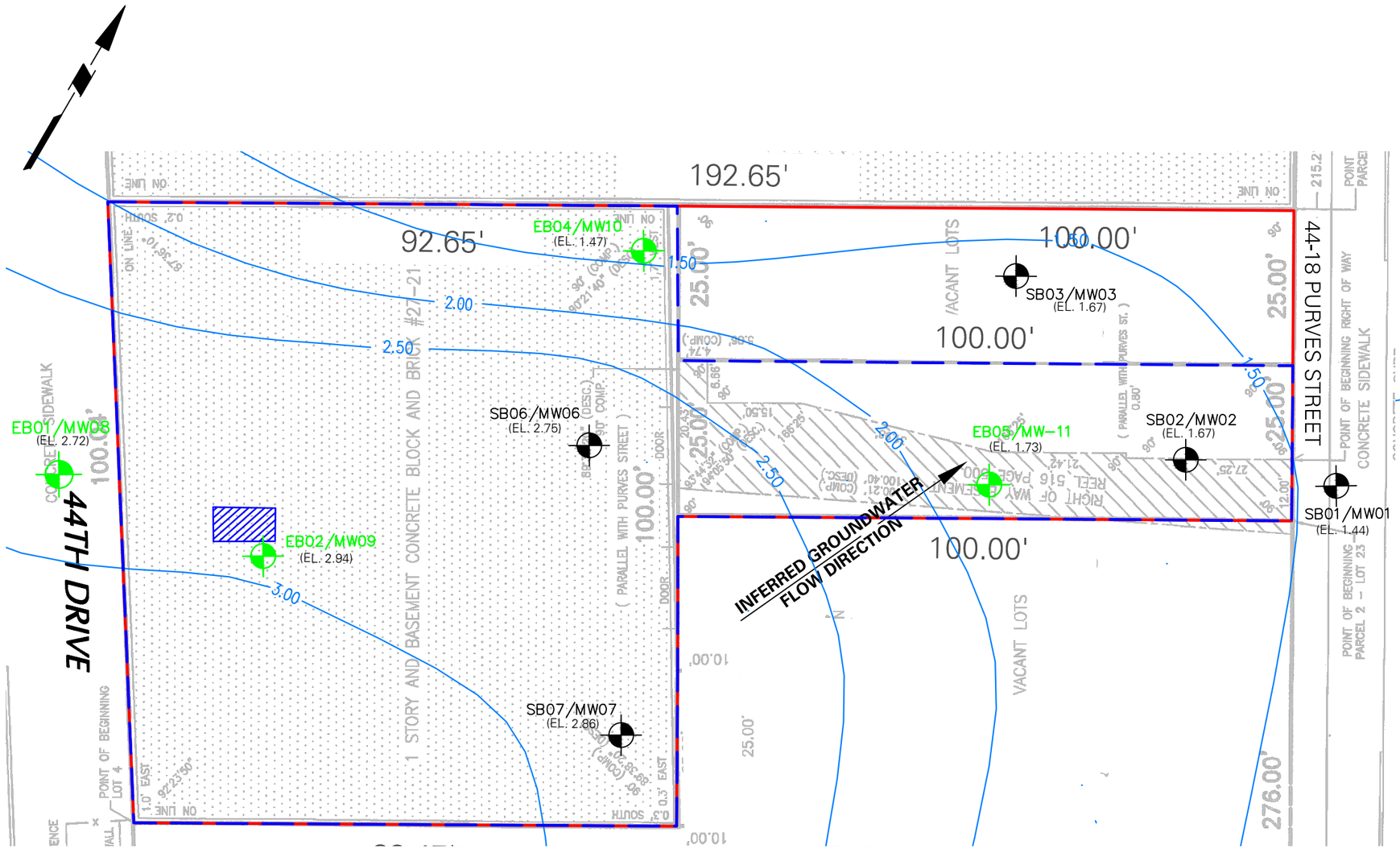
Filename: \\Langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\Supplemental Investigation\Figure 3.Surrounding Sites Plan.dwg Date: 9/17/2014 Time: 13:13 User: atashji Style Table: Langan.stb Layout: Surrounding Sites Plan



LEGEND:

- APPROXIMATE DEVELOPMENT FOOTPRINT
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. C241164)
- EXISTING BUILDING
- SB02/MW02 (EL. 1.32) — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN (GROUNDWATER ELEVATION IN FEET)
- EB02/MW09 (EL. 1.32) — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN (GROUNDWATER ELEVATION IN FEET)
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST) IDENTIFIED DURING THE MARCH 2014 SAMPLING EVENT
- 2.00 — GROUNDWATER ELEVATION CONTOUR (FEET)

NOTES:

1. BASE MAP IS REFERENCED FROM GERALD T. O'BUCKLEY SURVEY, DATED MAY 7, 2013.
2. MONITORING WELLS (MW01, MW02, MW03, MW06, AND MW07) WERE SURVEYED BY LANGAN ON DECEMBER 10, 2013 AND MONITORING WELLS (MW08 THROUGH MW11) WERE SURVEYED BY LANGAN ON MARCH 14, 2014.
3. MONITORING WELLS INSTALLED BY LANGAN WERE USED TO CALCULATE GROUNDWATER CONTOUR.
4. MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. GROUNDWATER ELEVATION CONTOURS ARE IN FEET AND ARE BASED ON THE MARCH 14, 2014 MONITORING WELL GAUGING EVENT.
6. ELEVATIONS (EL.) ARE RELATIVE TO THE QUEENS HIGHWAY DATUM, WHICH IS 2.725 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY (NGVD29)

20 0 5 10 20
SCALE IN FEET

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BLOCK No. 268, LOT Nos. 4, 22 and 23
QUEENS **NEW YORK**

Drawing Title
GROUNDWATER CONTOUR MAP

Project No. 170281401	Drawing No. 4
Date 03/21/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date –	Sheet 4 of 8

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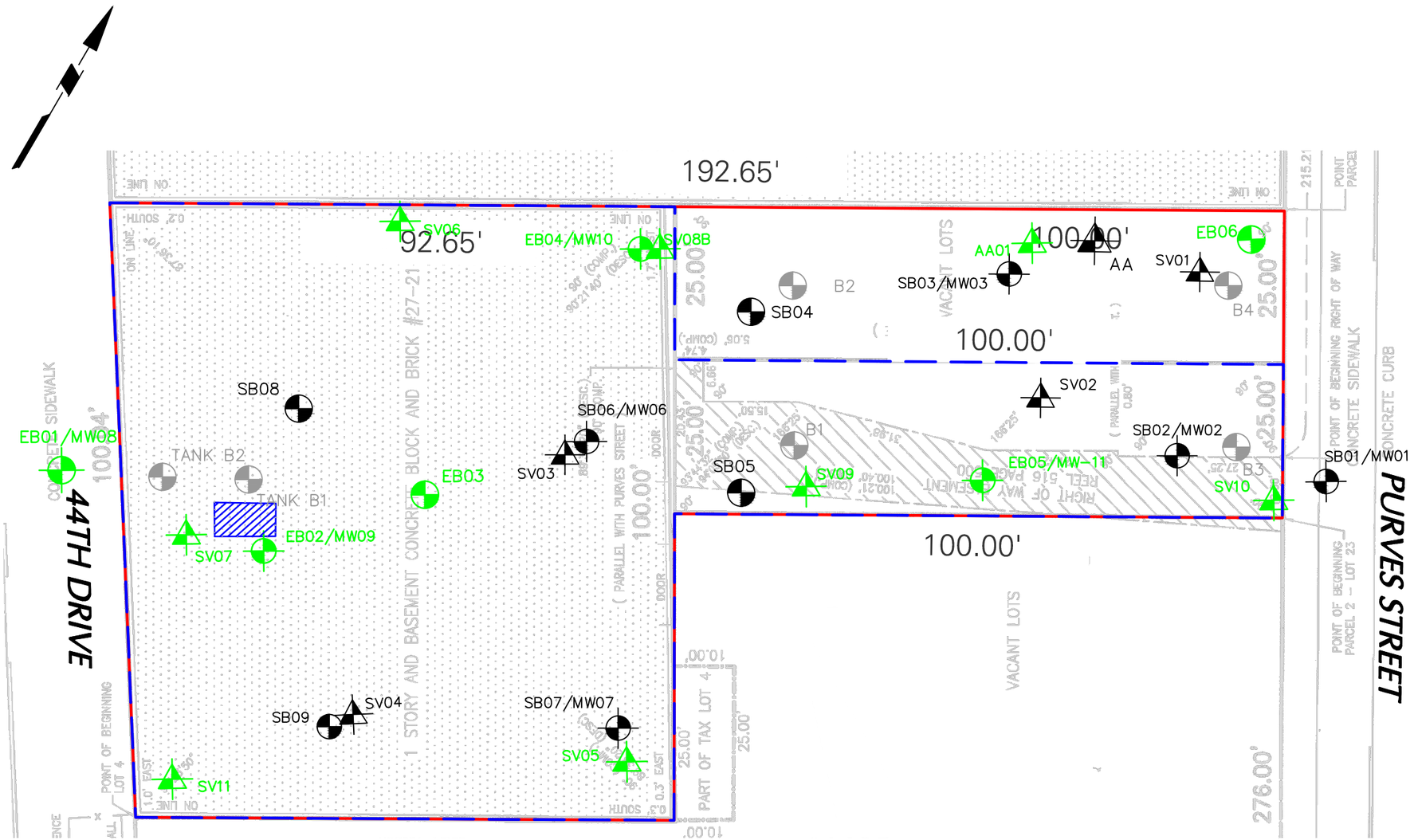
Filename: \\Langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\Supplemental Investigation\Figure 4.GW Contour Map_Rev.2014.03.24.dwg Date: 9/17/2014 Time: 13:28 User: atashji Style Table: Langan.stb Layout: Fig. 4 GW Contour Map



20 0 5 10 20

SCALE IN FEET

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. C241164)
- EXISTING BUILDING
- B4 — MAY 2013 SOIL BORING COMPLETED BY ENVIRONMENTAL BUSINESS CONSULTANTS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- SV04 — DECEMBER 2013 SOIL VAPOR POINT COMPLETED BY LANGAN
- AA — DECEMBER 2013 AMBIENT OUTDOOR AIR SAMPLE LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN
- SV05 — MARCH 2014 SOIL VAPOR POINT LOCATION COMPLETED BY LANGAN
- AA01 — MARCH 2014 AMBIENT AIR SAMPLE LOCATION COMPLETED BY LANGAN
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST) ENCOUNTERED DURING THE MARCH 2014 SAMPLING EVENT

NOTES:

1. BASE MAP IS REFERENCED FROM GERALD T. O'BUCKLEY SURVEY, DATED MAY 7, 2013.
2. SOIL BORING, MONITORING WELL AND SOIL VAPOR LOCATIONS ARE APPROXIMATE.

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QUEENS **NEW YORK**

Drawing Title
SAMPLE LOCATION PLAN

Project No. 170281401	Drawing No. 5
Date 03/18/2014	
Scale 1" = 20'	
Drawn By SH	
Submission Date –	Sheet 5 of 8

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Filename: \\Langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\Supplemental Investigation\Figure 5.Sample Location Plan_Rev.2014.03.24.dwg Date: 9/17/2014 Time: 13:36 User: atashji Style Table: Langan.stb Layout: ANSIB-BL

SAMPLE ID	SB08_1-2	SB08_10-11
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	10 to 11
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Indeno(1,2,3-cd)Pyrene	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	85	NE
Lead, Total	**990**	160
Mercury, Total	0.38	0.2
Zinc, Total	240	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB06_1-2	SB06_5-6
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	5 to 6
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**2.1**
Benzo(a)pyrene	NE	**2.2**
Benzo(b)fluoranthene	NE	**2.6**
Benzo(k)fluoranthene	NE	1.1
Chrysene	NE	2
Indeno(1,2,3-cd)Pyrene	NE	**1.5**
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Chromium, Hexavalent	**3.8**	ND
Chromium, Trivalent	**936**	**260**
Copper, Total	**720**	260
Lead, Total	**780**	340
Manganese, Total	**2300**	NE
Mercury, Total	**1.3**	**2.4**
Nickel, Total	33	NE
Silver, Total	2.9	NE
Zinc, Total	3200	1300
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB04_0.5-2	EB04_9-10
SAMPLING DATE	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	9 to 10
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**4.6**	ND
Benzo(a)pyrene	**3.1**	ND
Benzo(b)fluoranthene	**4**	ND
Benzo(k)fluoranthene	1.3	ND
Chrysene	**4.7**	ND
Dibenzo(a,h)anthracene	**0.51**	ND
Indeno(1,2,3-cd)Pyrene	**2**	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	53	NE
Lead, Total	250	NE
Mercury, Total	0.52	ND
Zinc, Total	450	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB04_0-1	SB04_5-6
SAMPLING DATE	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	0 to 1	5 to 6
VOCs (mg/kg)		
Acetone	0.2	NE
SVOCs (mg/kg)		
Total SVOCs	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Zinc, Total	190	NE
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	SB03_1-2	SB03_7-8
SAMPLING DATE	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	1 to 2	7 to 8
VOCs (mg/kg)		
VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.1**	ND
Benzo(b)fluoranthene	**1.1**	ND
Chrysene	1.3	ND
Indeno(1,2,3-cd)Pyrene	**0.54**	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper, Total	69	NE
Lead, Total	170	NE
Mercury, Total	NE	ND
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB03_0.5 to 2	EB03_8-10
SAMPLING DATE	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	8 to 10
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	NE	NE
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Aresenic	**32**	16
Barium	**1,100**	NE
Copper, Total	230	76
Lead, Total	**1,800**	120
Mercury, Total	**0.92**	0.62
Nickel, Total	38	NE
Selenium, Total	NE	7
Zinc, Total	630	110
PCBs (mg/kg)		
Total PCBs	ND	ND

SAMPLE ID	EB06_0-2	EB06_5-6.5	EB06_7.5-9
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0-2	5 to 6.5	7.5 to 9
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	NE	ND	ND
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Lead, Total	85	NE	NE
PCBs (mg/kg)			
Total PCBs	ND	ND	ND

SAMPLE ID	SB01_10-11
SAMPLING DATE	12/2/2013
SAMPLE DEPTH (ft)	10 to 11
VOCs (mg/kg)	
VOCs	NE
SVOCs (mg/kg)	
SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Metals	NE
PCBs (mg/kg)	
Total PCBs	NE

SAMPLE ID	EB01_1-3	EB01_10-12	EB01_15-17
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	1 to 3	10 to 12	15 to 18
VOCs (mg/kg)			
Acetone	NE	NE	0.055
SVOCs (mg/kg)			
Total SVOCs	NE	NE	NE
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Copper, Total	NE	54	140
Lead, Total	NE	260	**1,100**
Mercury, Total	NE	0.79	0.63
Zinc, Total	NE	190	350
PCBs (mg/kg)			
Total PCBs	NE	NE	NE

SAMPLE ID	EB02_0.5-2	EB02_8-10	EB02_13-15
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0.5 to 2	8 to 10	13 to 15
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Phenol	0.48	NE	NE
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Metals (mg/kg)			
Aresenic	**25**	NE	NE
Copper, Total	68	56	NE
Lead, Total	**670**	**980**	NE
Mercury, Total	0.44	0.25	ND
Selenium, Total	4.3	NE	NE
Silver, Total	15	NE	ND
Zinc, Total	270	450	NE
PCBs (mg/kg)			
Total PCBs	NE	ND	ND

SAMPLE ID	SB09_1-2	SB09_5-6
SAMPLING DATE	12/3/2013	12/3/2013
SAMPLE DEPTH (ft)	1 to 2	5 to 6
VOCs (mg/kg)		
Acetone	NE	0.053
SVOCs (mg/kg)		
3-Methylphenol/4-Methylphenol	ND	0.83
Chrysene	NE	1
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Arsenic	NE	15
Copper, Total	79	59
Lead, Total	330	**680**
Mercury, Total	**1.7**	**1.7**
Nickel, Total	38	NE
Zinc, Total	210	660
PCBs (mg/kg)		
Total PCBs	NE	NE

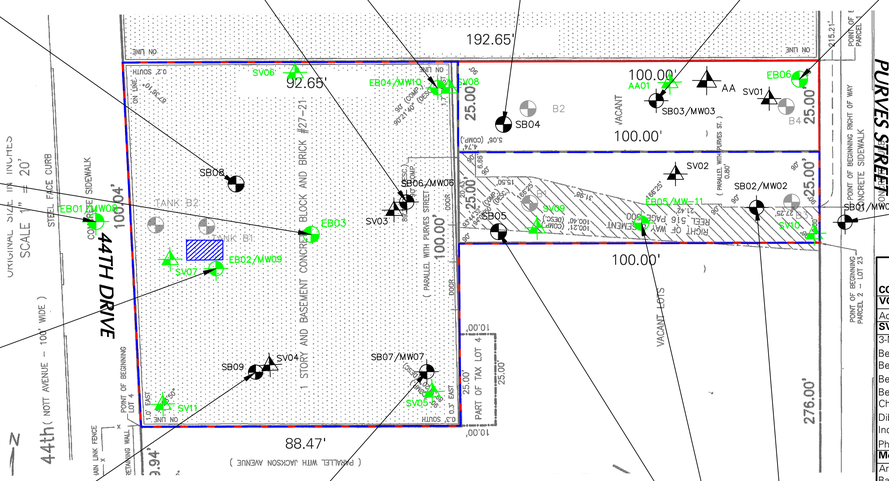
SAMPLE ID	SB07_0-1
SAMPLING DATE	12/3/2013
SAMPLE DEPTH (ft)	0 to 1
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
3-Methylphenol/4-Methylphenol	0.38
Benzo(a)anthracene	**8.2**
Benzo(a)pyrene	**6.6**
Benzo(b)fluoranthene	**7.2**
Benzo(k)fluoranthene	2.4
Chrysene	**9.4**
Dibenzo(a,h)anthracene	**1**
Indeno(1,2,3-cd)Pyrene	**3.4**
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Copper, Total	140
Lead, Total	**1000**
Mercury, Total	**2.4**
Zinc, Total	500
PCBs (mg/kg)	
Total PCBs	ND

SAMPLE ID	SB05_1-2
SAMPLING DATE	12/2/2013
SAMPLE DEPTH (ft)	1 to 2
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	NE
Pesticides (mg/kg)	
Total Pesticides	ND
Metals (mg/kg)	
Chromium, Trivalent	**260**
Copper, Total	53
Lead, Total	260
Mercury, Total	**1.8**
Zinc, Total	210
PCBs (mg/kg)	
Total PCBs	ND

SAMPLE ID	EB05_0-2	EB05_5-6.5	EB05_12-13.5	DUP01_030714
SAMPLING DATE	3/7/2014	3/7/2014	3/7/2014	3/7/2014
SAMPLE DEPTH (ft)	0-2	5 to 6.5	12 to 13.5	5 to 6.5
VOCs (mg/kg)				
Total VOCs	NE	NE	NE	ND
SVOCs (mg/kg)				
Total SVOCs	ND	ND	ND	ND
Pesticides (mg/kg)				
Total Pesticides	ND	ND	ND	ND
Metals (mg/kg)				
Lead, Total	NE	NE	NE	NE
PCBs (mg/kg)				
Total PCBs	ND	ND	ND	ND

SAMPLE ID	SB02_0-1	SB02_6-7	SB02_11-12	DUP01
SAMPLING DATE	12/2/2013	12/2/2013	12/2/2013	12/2/2013
SAMPLE DEPTH (ft)	0 to 1	6 to 7	11 to 12	1 to 12
VOCs (mg/kg)				
VOCs	NE	NE	NE	NE
SVOCs (mg/kg)				
SVOCs	ND	ND	ND	ND
Pesticides (mg/kg)				
Total Pesticides	ND	ND	ND	ND
Metals (mg/kg)				
Chromium, Trivalent	NE	NE	NE	NE
PCBs (mg/kg)				
Aroclor 1260	ND	0.287	ND	ND

COMPOUND	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives
VOCs (mg/kg)		
Acetone	0.05	100
SVOCs (mg/kg)		
3-Methylphenol/4-Methylphenol	0.33	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Phenol	0.33	100
Metals (mg/kg)		
Arsenic, Total	13	16
Barium, Total	350	400
Chromium, Hexavalent	1	110
Chromium, Trivalent	30	180
Copper, Total	50	270
Lead, Total	63	400
Manganese, Total	1600	2000
Mercury, Total	0.18	0.81
Nickel, Total	30	310
Selenium, Total	3.9	180
Silver, Total	2	180
Zinc, Total	109	10000
PCBs (mg/kg)		
Aroclor 1260	0.1	1
Total PCBs	0.1	1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92.65'
100.00'
25.00'
100.00'
SB04
B2
SB03/MW03
AA
SV01
EB06
B4
SV06
EB04/MW10
SV08
SB08
SB06/MW06
EB01/MW01
SV03
EB03
SB05
SV02
SB02/MW02
SV10
SB01/MW01
EB05/MW11
SV07
EB02/MW09
SB09
SV04
SB07/MW07
SV09
SV11
88.47'
3.94'
276.00'
44th DRIVE
PURVES STREET
VACANT LOTS
TANK B2
TANK B1
STEEL FACE CURB
CONCRETE SIDEWALK
BUILDING WALL
CHAIN LINK FENCE
1 STORY AND BASEMENT CONCRETE BLOCK AND BRICK #27-21
PART OF TAX LOT 4
POINT OF BEGINNING
POINT OF BEGINNING PARCEL 2 – LOT 23
ORIGINAL SIDE IN INCHES
SCALE 1" = 20'
(NOTT AVENUE – 100' WIDE)
(PARALLEL WITH JACKSON AVENUE)
(PARALLEL WITH PURVES STREET)
(PARALLEL WITH MORSON AVENUE)
N
ON LINE
NO LINE
0.2' SOUTH
0.3' EAST
0.6' WEST
0.5' NORTH
0.4' WEST
0.3' EAST
0.2' SOUTH
0.2' WEST
0.3' NORTH
0.2' EAST
0.3' SOUTH
0.2' WEST
0.2' NORTH
0.2' EAST
0.2

LOCATION SAMPLING DATE COMPOUND	MW06 12/10/2013	DUP02 12/10/2013
VOCs (ug/l)		
1,2,4-Trimethylbenzene	ND	**16**
Isopropylbenzene	**19**	**20**
n-Butylbenzene	**12**	**12**
n-Propylbenzene	**30**	**31**
sec-Butylbenzene	**13**	**13**
SVOCs (ug/l)		
Total SVOCs	NE	NE
Pesticides (ug/l)		
Alpha-BHC	**0.041**	**0.03**
PCBs (ug/l)		
Total PCBs	ND	ND
Total Metals (ug/l)		
Iron, Total	**19100**	**19400**
Manganese, Total	**1222**	**1353**
Sodium, Total	**75100**	**81800**
Dissolved Metals (ug/l)		
Iron, Dissolved	**18600**	**18800**
Manganese, Dissolved	**1274**	**1264**
Sodium, Dissolved	**83600**	**82000**

LOCATION SAMPLING DATE COMPOUND	MW10 3/14/2014
VOCs (ug/l)	
Toluene	**7.8**
SVOCs (ug/l)	
Benzo(a)pyrene	**0.15**
Benzo(b)fluoranthene	**0.14**
Indeno(1,2,3-cd)Pyrene	**0.16**
Phenol	**28**
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**11900**
Manganese, Total	**364.3**
Sodium, Total	**314000**
Dissolved Metals (ug/l)	
Iron, Dissolved	**9470**
Manganese, Dissolved	**314.6**
Sodium, Dissolved	**320000**

LOCATION SAMPLING DATE COMPOUND	MW03 12/10/2013
VOCs (ug/l)	
Tetrachloroethene	**7.3**
SVOCs (ug/l)	
Total SVOCs	NE
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Chromium, Total	**55.55**
Iron, Total	**482**
Sodium, Total	**32400**
Dissolved Metals (ug/l)	
Chromium, Dissolved	**59.17**
Iron, Dissolved	**433**
Selenium, Dissolved	**11.2**
Sodium, Dissolved	**31700**

COMPOUND	NYSDEC TOGS 1.1.1. AWQS
VOCs (ug/l)	
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
1,2,4-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
sec-Butylbenzene	5
Tetrachloroethene	5
Toluene	5
Trichloroethene	5
Vinyl chloride	2
SVOCs (ug/l)	
1,2-Dichlorobenzene	3
1,3-Dichlorobenzene	3
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Phenol	1
Pesticides (ug/l)	
Alpha-BHC	0.01
PCBs (ug/l)	
Total PCBs	0.09
Total Metals (ug/l)	
Chromium, Total	50
Iron, Total	300
Manganese, Total	300
Sodium, Total	20000
Dissolved Metals (ug/l)	
Chromium, Dissolved	50
Iron, Dissolved	300
Manganese, Dissolved	300
Selenium, Dissolved	10
Sodium, Dissolved	20000

LOCATION SAMPLING DATE COMPOUND	MW08 3/14/2014
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**17400**
Manganese, Total	**929.2**
Sodium, Total	**211000**
Dissolved Metals (ug/l)	
Iron, Dissolved	**16400**
Manganese, Dissolved	**912**
Sodium, Dissolved	**225000**

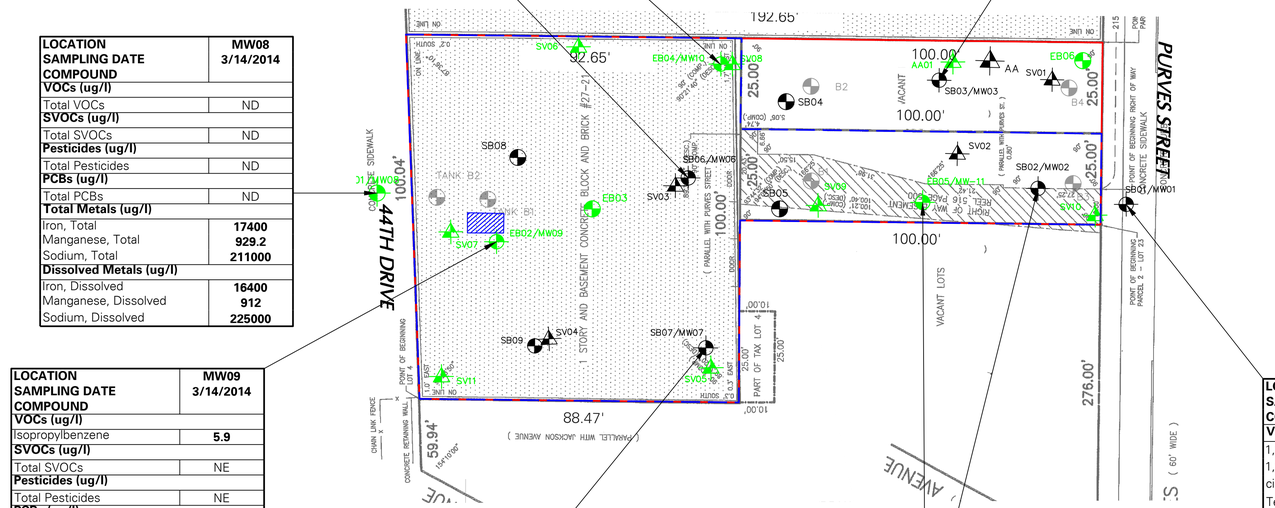
LOCATION SAMPLING DATE COMPOUND	MW09 3/14/2014
VOCs (ug/l)	
Isopropylbenzene	**5.9**
SVOCs (ug/l)	
Total SVOCs	NE
Pesticides (ug/l)	
Total Pesticides	NE
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**1060**
Dissolved Metals (ug/l)	
Iron, Dissolved	**1030**

LOCATION SAMPLING DATE COMPOUND	MW07 12/10/2013
VOCs (ug/l)	
Total VOCs	NE
SVOCs (ug/l)	
Total SVOCs	NE
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**24200**
Manganese, Total	**1920**
Sodium, Total	**33100**
Dissolved Metals (ug/l)	
Iron, Dissolved	**23600**
Manganese, Dissolved	**1977**
Sodium, Dissolved	**34100**

LOCATION SAMPLING DATE COMPOUND	MW11 3/14/2014	DUP01 3/14/2014
VOCs (ug/l)		
Total VOCs	NE	NE
SVOCs (ug/l)		
Total SVOCs	ND	ND
Pesticides (ug/l)		
Total Pesticides	ND	ND
PCBs (ug/l)		
Total PCBs	ND	ND
Total Metals (ug/l)		
Manganese, Total	**480.8**	**479.6**
Dissolved Metals (ug/l)		
Iron, Dissolved	**604**	**612**
Manganese, Dissolved	**439**	**442.4**

LOCATION SAMPLING DATE COMPOUND	MW02 12/10/2013
VOCs (ug/l)	
1,1,1-Trichloroethane	**18**
cis-1,2-Dichloroethene	**26**
Tetrachloroethene	**630**
Trichloroethene	**59**
SVOCs (ug/l)	
Total SVOCs	ND
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**692**
Manganese, Total	**414**
Sodium, Total	**27400**
Dissolved Metals (ug/l)	
Iron, Dissolved	**660**
Manganese, Dissolved	**421.4**
Sodium, Dissolved	**27500**

LOCATION SAMPLING DATE COMPOUND	MW01 12/10/2013
VOCs (ug/l)	
1,1,1-Trichloroethane	**51**
1,1-Dichloroethane	**45**
cis-1,2-Dichloroethene	**1200**
Tetrachloroethene	**1500**
Trichloroethene	**440**
Vinyl chloride	**200**
SVOCs (ug/l)	
1,2-Dichlorobenzene	**5.6**
1,3-Dichlorobenzene	**6**
Pesticides (ug/l)	
Total Pesticides	ND
PCBs (ug/l)	
Total PCBs	ND
Total Metals (ug/l)	
Iron, Total	**439**
Manganese, Total	**2626**
Sodium, Total	**120000**
Dissolved Metals (ug/l)	
Iron, Dissolved	**358**
Manganese, Dissolved	**2626**
Sodium, Dissolved	**122000**



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. C241164)
- EXISTING BUILDING
- B4 — MAY 2013 SOIL BORING COMPLETED BY ENVIRONMENTAL BUSINESS CONSULTANTS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN (GROUNDWATER ELEVATION IN FEET)
- SV04 — DECEMBER 2013 SOIL VAPOR POINT COMPLETED BY LANGAN
- AA — DECEMBER 2013 AMBIENT OUTDOOR AIR SAMPLE LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN
- SV05 — MARCH 2014 SOIL VAPOR POINT LOCATION COMPLETED BY LANGAN
- AA01 — MARCH 2014 AMBIENT AIR SAMPLE LOCATION COMPLETED BY LANGAN
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST) ENCOUNTERED DURING THE MARCH 2014 SAMPLING EVENT

NOTES:

1. BASE MAP IS REFERENCED FROM GERALD T. O'BUCKLEY SURVEY, DATED MAY 7, 2013.
2. SOIL BORING, MONITORING WELL AND SOIL VAPOR LOCATIONS ARE APPROXIMATE.
3. VOCs = VOLATILE ORGANIC COMPOUNDS
4. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
5. PCBs = POLYCHLORINATED BIPHENYLS
6. ND = COMPOUND NOT DETECTED
7. NE = COMPOUND DETECTION DOES NOT EXCEED TOGS AWQS
8. ug/l = MICROGRAM PER LITER
9. COMPOUNDS THAT EXCEED THE NEW YORK STATE DEPARTMENT OF CONSERVATION DIVISION OF WATER TECHNICAL AND OPERATION GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) AND GUIDANCE VALUES FOR CLASS GA GROUNDWATER ARE **BOLD.**

LANGAN

SUBMISSION DATE: XXXXX ##,####

PROJECT No. #########

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project	27-21 44th DRIVE & 44-18 PURVES STREET BLOCK No. 268, LOT Nos. 4, 22, and 23 QUEENS NEW YORK
Drawing Title	GROUNDWATER SAMPLE LOCATION AND RESULTS MAP
Project No.	170281401
Date	3/21/2014
Scale	1" = 20'
Drawn By	SH
Submission Date	-
Drawing No.	7
Sheet	7 of 8

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\Supplemental Investigation\Soil, GW, and SV Tag Maps_Rev.2014.03.24.dwg Date: 9/25/2014 Time: 16:20 User: rcrollini Style Table: Langan.stb Layout: Fig. 7 GW Tag Map

LOCATION SAMPLING DATE COMPOUND	SV06 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**2.41**
1,3-Butadiene	**0.788**
2-Butanone	**10.4**
4-methyl-2-pentanone	**2**
Acetone	**83.4**
Benzene	**25.7**
Carbon disulfide	**23.9**
Chloroform	**8.06**
Cyclohexane	**1.53**
Dichlorodifluoromethane	1.15
Ethanol	**27.3**
Ethylbenzene	**0.938**
Heptane	**92.6**
Isopropanol	**6.24**
n-Hexane	**244**
o-Xylene	**1.03**
p/m-Xylene	**3.23**
Styrene	**3.53**
Tertiary butyl alcohol	**3.76**
Tetrachloroethene	1.84
Tetrahydrofuran	**1.81**
Toluene	**26.5**

LOCATION SAMPLING DATE COMPOUND	SV07 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
2-Butanone	**6.87**
Benzene	**8.08**
Carbon disulfide	**9.06**
Carbon tetrachloride	**21**
Chloroform	**10.8**
Cyclohexane	**764**
Heptane	**897**
n-Hexane	**1,060**
Tetrachloroethene	**29.1**
Toluene	**15.1**

LOCATION SAMPLING DATE COMPOUND	SV11 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**3.14**
2-Butanone	**11.2**
4-methyl-2-pentanone	**1.93**
Acetone	**48**
Benzene	**1.73**
Bromomethane	**0.878**
Carbon disulfide	**33**
Chloroform	**2.49**
Chloromethane	**1.35**
Cyclohexane	**4.27**
Dichlorodifluoromethane	1.32
Ethanol	**17.6**
Ethylbenzene	**1.32**
Heptane	**242**
Isopropanol	**1.73**
n-Hexane	**111**
o-Xylene	**1.27**
p/m-Xylene	**3.97**
Tetrachloroethene	**11.1**
Tetrahydrofuran	**2.24**
Toluene	**140**

LOCATION SAMPLING DATE COMPOUND	SV03 12/10/2013
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**7.53**
1,2,4-Trimethylbenzene	**4.22**
1,3,5-Trimethylbenzene	**1.66**
2,2,4-Trimethylpentane	**3.13**
2-Butanone	**83.5**
4-Ethyltoluene	**1.72**
4-Methyl-2-pentanone	**2.08**
Acetone	**71.7**
Benzene	**2.58**
Carbon disulfide	**0.841**
Chloroform	**4.18**
Cyclohexane	**1.49**
Dichlorodifluoromethane	1.6
Ethanol	**80.5**
Ethylbenzene	**3.41**
Heptane	**2.69**
Isopropanol	2.51
Methylene chloride	**16.8**
n-Hexane	**1.53**
o-Xylene	**4.69**
p/m-Xylene	**13.1**
Tetrachloroethene	**16.7**
Tetrahydrofuran	**4.07**
Toluene	**18.6**
Trichlorofluoromethane	1.58

LOCATION SAMPLING DATE COMPOUND	SV08B 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
2-Butanone	**9.61**
Acetone	**59.6**
Carbon disulfide	**6.04**
Chloroform	**51.3**
Heptane	**5.41**
o-Xylene	**4.43**
p/m-Xylene	**9.43**
Tetrachloroethene	**14.5**
Toluene	**18**

LOCATION SAMPLING DATE COMPOUND	AA01_030714 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
Acetone	15.3
Benzene	1.06
Chloromethane	1.13
Dichlorodifluoromethane	1.37
Ethanol	7.18
Isopropanol	1.61
Tetrachloroethene	4.25
Toluene	4.71

LOCATION SAMPLING DATE COMPOUND	AMBIENT 12/10/2013
Volatile Organic Compounds (VOC) (ug/m3)	
2,2,4-Trimethylpentane	1.39
2-Butanone	0.964
Acetone	9.98
Benzene	1.35
Chloromethane	1.31
Dichlorodifluoromethane	2.17
Ethanol	14.3
Isopropanol	3.52
n-Hexane	1.3
p/m-Xylene	1.92
Propylene	1.26
Tetrachloroethene	3.23
Toluene	6.07
Trichlorofluoromethane	1.84

LOCATION SAMPLING DATE COMPOUND	SV01 12/10/2013
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**4.27**
1,2,4-Trimethylbenzene	**3.5**
1,3,5-Trimethylbenzene	**1.32**
2,2,4-Trimethylpentane	**10**
2-Butanone	**41.6**
4-Ethyltoluene	**1.26**
4-Methyl-2-pentanone	**1.15**
Acetone	**247**
Benzene	**4.34**
Carbon disulfide	**2.09**
Carbon tetrachloride	**1.57**
Chloroform	**8.99**
Cyclohexane	**5.2**
Dichlorodifluoromethane	1.64
Ethanol	**108**
Ethylbenzene	**4.91**
Heptane	**9.14**
Isopropanol	2.85
Methyl tert butyl ether	**2.33**
Methylene chloride	**21**
n-Hexane	**6.1**
o-Xylene	**5.39**
p/m-Xylene	**16.2**
Tetrachloroethene	2.56
Tetrahydrofuran	**3.89**
Toluene	**27.4**
Trichloroethene	**11.1**
Trichlorofluoromethane	1.47

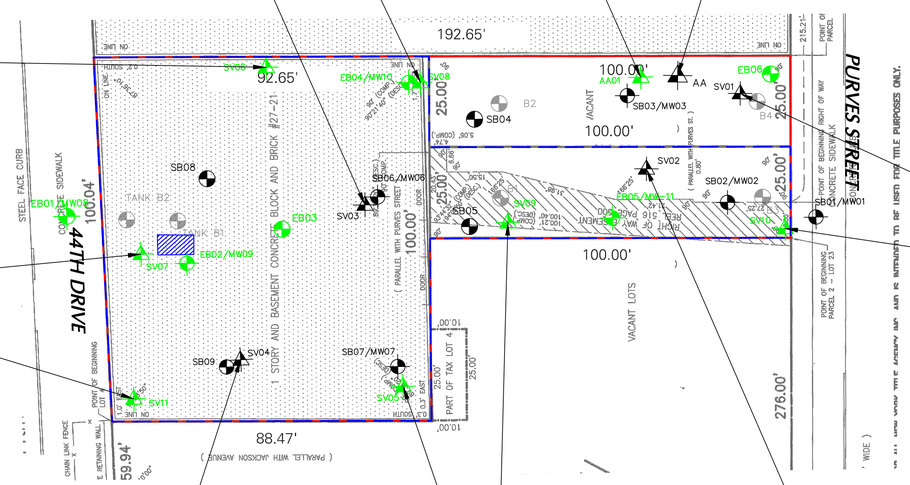
LOCATION SAMPLING DATE COMPOUND	SV10 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**11.9**
1,2,4-Trimethylbenzene	**42.5**
1,3,5-Trimethylbenzene	**37.6**
1,3-Butadiene	**26.5**
2-Butanone	**19.6**
4-Ethyltoluene	**22.9**
4-methyl-2-pentanone	**27.1**
Acetone	**118**
Benzene	**223**
Carbon disulfide	**16.9**
Chloromethane	**2.09**
Cyclohexane	**24.4**
Ethanol	**38.1**
Ethylbenzene	**25**
Heptane	**86.1**
Isopropanol	**7.92**
n-Hexane	**29.4**
o-Xylene	**49.1**
p/m-Xylene	**73.8**
Styrene	**9.54**
Tetrachloroethene	**652**
Tetrahydrofuran	**4.28**
Toluene	**953**
Trichloroethene	**54.8**
Vinyl Chloride	**7.49**

LOCATION SAMPLING DATE COMPOUND	SV04 12/10/2013
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**7.47**
1,2,4-Trimethylbenzene	**3.37**
1,3,5-Trimethylbenzene	**1.62**
2,2,4-Trimethylpentane	**9.29**
2-Butanone	**133**
4-Ethyltoluene	**1.63**
Acetone	**285**
Benzene	**7.6**
Carbon disulfide	**6.94**
Chloroform	**3.35**
Cyclohexane	**2.54**
Dichlorodifluoromethane	1.51
Ethanol	**173**
Ethylbenzene	**4.11**
Heptane	**4.84**
Isopropanol	**5.9**
Methyl tert butyl ether	1.07
Methylene chloride	**33.1**
n-Hexane	**6.06**
o-Xylene	**5.21**
p/m-Xylene	**14.4**
Propylene	0.945
Tetrachloroethene	2.04
Tetrahydrofuran	**3.92**
Toluene	**25.6**
Trichloroethene	**15.2**
Trichlorofluoromethane	1.69

LOCATION SAMPLING DATE COMPOUND	SV05 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**4.44**
1,2,4-Trimethylbenzene	**1.94**
2-Butanone	**39.8**
2-Hexanone	**6.64**
4-methyl-2-pentanone	**5.16**
Acetone	**122**
Benzene	**2.34**
Carbon disulfide	**1.65**
Cyclohexane	**2.02**
Dichlorodifluoromethane	1.22
Ethanol	**29.2**
Ethyl acetate	**4.29**
Ethylbenzene	**1.15**
Heptane	**8.57**
Isopropanol	**3.81**
n-Hexane	**8.78**
o-Xylene	**1.43**
p/m-Xylene	**3.77**
Styrene	**3.1**
Tertiary butyl alcohol	**4.97**
Tetrahydrofuran	**2.68**
Toluene	**18.7**

LOCATION SAMPLING DATE COMPOUND	SV09 3/7/2014
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**255**
1,1-Dichloroethane	**1.26**
1,2,4-Trimethylbenzene	**1.69**
1,3-Butadiene	**4.78**
2-Butanone	**8.23**
4-methyl-2-pentanone	**7.09**
Acetone	**27.6**
Benzene	**2.39**
Carbon disulfide	**5.73**
Chloroform	**1.21**
Ethanol	**6.26**
Ethyl acetate	**3.07**
Ethylbenzene	**1.3**
Freon-113	**2.07**
Heptane	**1.59**
n-Hexane	**1.89**
o-Xylene	**1.52**
p/m-Xylene	**4.19**
Styrene	**2.32**
Tetrachloroethene	**11.1**
Tetrahydrofuran	**0.994**
Toluene	**7.99**
Trichlorofluoromethane	**1.64**

LOCATION SAMPLING DATE COMPOUND	SV02 12/10/2013
Volatile Organic Compounds (VOC) (ug/m3)	
1,1,1-Trichloroethane	**3.15**
1,2,4-Trimethylbenzene	**2.24**
1,3-Butadiene	**1.29**
2,2,4-Trimethylpentane	**8.36**
2-Butanone	**10.9**
4-Methyl-2-pentanone	**0.918**
Acetone	**27.1**
Benzene	**7.19**
Carbon disulfide	**8.97**
Chloroform	**2.66**
Cyclohexane	**4.03**
Dichlorodifluoromethane	1.58
Ethanol	**23.2**
Ethylbenzene	**3.91**
Freon-113	4.51
Heptane	**7.7**
Methyl tert butyl ether	**1.36**
Methylene chloride	**3.61**
n-Hexane	**5.39**
o-Xylene	**4.52**
p/m-Xylene	**12.5**
Propylene	**8.31**
Tetrachloroethene	2.69
Tetrahydrofuran	**1.21**
Toluene	**22.2**
Trichlorofluoromethane	1.61



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE FOOTPRINT (BCP SITE No. C241164)
- EXISTING BUILDING
- B4 — MAY 2013 SOIL BORING COMPLETED BY ENVIRONMENTAL BUSINESS CONSULTANTS
- SB04 — DECEMBER 2013 SOIL BORING LOCATION COMPLETED BY LANGAN
- SB02/MW02 — DECEMBER 2013 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN (GROUNDWATER ELEVATION IN FEET)
- SV04 — DECEMBER 2013 SOIL VAPOR POINT COMPLETED BY LANGAN
- AA — DECEMBER 2013 AMBIENT OUTDOOR AIR SAMPLE LOCATION COMPLETED BY LANGAN
- EB02/MW09 — MARCH 2014 SOIL BORING AND MONITORING WELL LOCATION COMPLETED BY LANGAN
- EB02 — MARCH 2014 SOIL BORING LOCATION COMPLETED BY LANGAN
- SV05 — MARCH 2014 SOIL VAPOR POINT LOCATION COMPLETED BY LANGAN
- AA01 — MARCH 2014 AMBIENT AIR SAMPLE LOCATION COMPLETED BY LANGAN
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST) ENCOUNTERED DURING THE MARCH 2014 SAMPLING EVENT

NOTES:

1. BASE MAP IS REFERENCED FROM GERALD T. O'BUCKLEY SURVEY, DATED MAY 7, 2013.
2. SOIL BORING, MONITORING WELL AND SOIL VAPOR LOCATIONS ARE APPROXIMATE.
3. SOIL VAPOR RESULTS ARE COMPARED TO AMBIENT AIR COLLECTED ON THE CORRESPONDING DAY.
4. ONLY COMPOUNDS THAT WERE DETECTED ARE SHOWN AND EXCEEDANCES OF AMBIENT AIR ARE **BOLD.**

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
REVISIONS		

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Project
27-21 44th DRIVE &
44-18 PURVES STREET
BLOCK No. 268, LOT Nos. 4, 22, and 23
QUEENS NEW YORK

Drawing Title
SOIL VAPOR SAMPLE LOCATION AND RESULTS MAP

Project No.	170281401
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APPENDIX A PREVIOUS ENVIRONMENTAL REPORTS

PHASE II

SUBSURFACE INVESTIGATION REPORT

OCTOBER 2013

EBC Project No: VHL1102

27-21 44th Drive, 44-18 Purves Street
Long Island City, NY 11101

Block 268, Lots 4, 22, & 23

Prepared for:

44 LIC, LLC
184 N. 8th Street
Brooklyn, NY 11211

ENVIRONMENTAL BUSINESS CONSULTANTS

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Long Island City, Queens, NY 11101

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1.0 INTRODUCTION

Environmental Business Consultants (EBC) has prepared the following Phase II Subsurface Investigation Report for properties located at 27-21 44th Drive and 44-18 Purves Street (Block 268, Lots 4, 22, 23), in Long Island City, Queens, New York 11101 ("the Site"). The subsurface investigation was conducted to investigate recognized environmental conditions identified in a Phase I Environmental Site Assessment report prepared for Lot 4 by EBC in October 2011 as well as the general environmental condition of Lots 22 and 23. The work was conducted on behalf of 44 LIC LLC to identify and characterize potential contaminants within the surface/subsurface soils and groundwater at the Site to support future redevelopment.

1.1 Site Location and Description

The Site is located in the City of New York and Borough of Brooklyn (Kings County) and is identified as Block 268, Lots 4, 22 and 23. The Site includes three adjoining lots located between Purves Street and 44th Drive with frontage on both streets. Lot 4 is a square shaped lot consisting of 100.4 feet of street frontage on 44th Drive, and a maximum of 98.46 feet deep. Lot 4 is developed with a 1-story warehouse and full walkout cellar that opens to the adjoining lots along Purves Street which is at a lower elevation. The building can be accessed from 44th Drive or from the cellar level through Lots 22 and 23.

Lots 22 and 23 are adjacent rectangular lots each with 25 feet of frontage along Purves Street and are 100 feet deep. Both lots are currently vacant with vegetative cover. The total area of the three lots combined is 14,600 ft^2 (0.335 acres). The property is owned by 44 LIC, LLC.

The area surrounding the subject property consists of a mix of residential and commercial properties. The elevation of the Site is approximately 17 feet above the National Geodetic Vertical Datum (NGVD). The depth to groundwater beneath the Site was encountered at approximately 9 feet below basement level on Lot 4 and below surface grade of Lots 22 and 23. Based on regional groundwater contour maps, groundwater is expected to flow to the west toward the East River.

1.2 Site Background

1.2.1 Phase I Environmental Site Assessment, October 2011

A Phase I Environmental Site Assessment (ESA) was completed by Environmental Business Consultants, in October of 2011 for a portion of the Site (Block 268, Lot 4).

The Phase I report indicated that historical information (DOB records, Sanborn Maps, City Directory listings, and internet search) reviewed for the subject site identified the subject site as being developed in the early 1920's with the one-story building (with full basement) that currently stands at the site. In 1936, the building was used as a first floor parking garage, and the basement was used for storage of furniture. The 1936 Sanborn map shows a gasoline tank in the front of the building. In 1947, the basement was used as a paper warehouse, and the first floor parking garage space was used as a photo chemical warehouse. The gasoline tank is not drawn on the 1947 Sanborn map. The 1970 Sanborn map simply labels the building as commercial or manufacturing in 1960, but city directory listings

provided for 1962 indicate the building was used as an automotive/truck rental facility. All of the Sanborn maps from 1977 to 2006 label the building as an auto body shop, which correlates with the city directory listings and internet findings, which note Tul Mor Auto Service, Inc. in 1970, Alvic Foreign Auto Repair in 1983, NE Auto Repair, Inc. in 2000 and Northeastern Auto Repair, Inc. in the mid 2000's.

EBC concluded that based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following recognized environmental conditions were noted for the site:

- Evidence indicating the presence of a gasoline underground storage tank underneath the concrete slab of the basement floor. The 1936 Sanborn map notes a gasoline tank near the front of the building. A vent pipe indicative of a gasoline tank is visible on the roof of the building near the southern garage door, and the remnants of a concrete dispenser island are visible immediately behind the garage door. The vent pipe was traced to the basement to a patch in the concrete floor.

Based on the age of the gasoline tank (85 years), EBC recommended the following actions:

- A Phase II Subsurface Investigation to include the collection and laboratory analysis of both soil and groundwater samples.
- Remove the gasoline tank and collect endpoint soil samples in accordance with NYS DER 10 / Technical Guidance for Site Investigation and Remediation
- Properly register and deregister the underground storage tank with the NYSDEC by completing and submitting a NYSDEC Petroleum Bulk Storage Application.
- Submit a Tank Removal Affidavit with the New York City Fire Department.
- Submit a Tank Closure Report to the NYSDEC.

Although the Phase I Report did not include recommendations for lots 22 and 23, the environmental history of both lots were evaluated in the Phase I. Lots 22 and 23 were originally developed prior to 1885 as 2 and 3-story residential buildings. From 1936 through 1950 both lots were part of an operation identified as "Controller Manufacturing". From 1970 through 2006 Lot 22 is shown as "welding and Repairs with directory listings that include Rozilda labs, Leather Goods, plating equipment, manufacturing and Artisan Designs. Lot 23 is shown as vacant from 1970 on with a single listing for Russell Cress Co. in 2005. The building on Lot 22 was demolished in 2008 and both lots are vacant.

2.0 SUBSURFACE INVESTIGATION

The field work portion of the Phase II was performed on May 10 and 17, 2013 and consisted of the collection and analysis of soil and groundwater samples. Drilling services were provided by Eastern Environmental Solutions of Manorville, NY. Analytical services were provided by Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301)

2.1 Soil Sampling

Four soil borings were performed in Lots 22 and 23 to a depth of 20 feet below grade on May 10, 2013. Due to restricted access an additional two borings were performed around the suspect tank in Lot 4 of the Site to a depth of 10 feet below the basement slab on May 17, 2013. The approximate locations of the tank and the soil borings are shown on **Figure 2**.

Soil samples from each soil boring location were collected using a five foot steel dual tube sampler with acetate liners and Geoprobe direct-push equipment. For each of the soil borings, soil samples were collected continuously from grade to the termination depth of the soil boring. Soil cores were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination by a qualified environmental professional. Boring logs are provided in **Appendix A**.

During the May 10, 2013 site visit four soil borings were advanced to 20 feet below grade in Lots 22 and 23 (44-18 Purves Street). A sample was retained from the groundwater interface (7-10') of soil boring B1 and B2. A deeper sample was retained (12-15') from soil sample locations B3 and B4. Soil boring B2 exhibited a slight odor and low PID (10-20 ppm) readings around the groundwater interface. Due to limited access to the building basement on Lot 4 no borings were performed on May 10, 2013

An additional two soil borings were performed on May 17, 2013 around the suspect underground storage tank on Lot 4 of the Site. A soil sample was retained from the interval that exhibited the highest degree of contamination (B1(5-8'), B2(4-7')). Both borings showed physical evidence of petroleum contamination with PID readings from 0-400 ppm.

2.1.1 Soil Results

All of the soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and delivered by laboratory dispatched courier to Phoenix Laboratories. Soil sample results were compared to the NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Analytical data for the soil samples are summarized in **Tables 1** through **2**, and a copy of the laboratory analytical reports are included in **Appendix B**.

VOCs

Only One VOC (n-Propylbenzene) was detected within the soil samples above its corresponding NYSDEC Part 375.6 Unrestricted Soil Cleanup Objectives (USCOs). The compound was detected within soil boring Tank B2. Soil sample B3(12-15') showed detections of cis-1,2-Dichloroethene, Tetrachloroethene, and Trichloroethene, but the levels were below UUSCOs.

SVOCs
No SVOCs were reported above their corresponding UUSCOs in any of the soil samples retained.

2.2 Groundwater Sampling

Following the installation of soil boring B1, B3, B4, Tank B1, and Tank B2, EBC installed a 1-inch diameter temporary PVC monitoring well. A groundwater sample was collected from the temporary monitoring well utilizing disposable polyethylene tubing, and a low-flow peristaltic pump.

The groundwater sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice. Groundwater samples GW1, GW3, and GW4 were submitted for analysis of VOCs by EPA Method 8260. Groundwater samples Tank GW1 and Tank GW2 were submitted for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 (CP51 List), to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301).

2.2.1 Groundwater Sample Results

Groundwater sample results were compared to the water quality standards specified in NYSDEC Groundwater Quality Standards (GQSs). Analytical data for the groundwater samples are summarized in **Tables 3 and 4** and a copy of the laboratory analytical report is provided in **Appendix B.**

VOCs
Several chlorinated VOCs were detected within the groundwater samples collected from locations GW1, GW3, and GW4. In addition, several petroleum VOCs were detected within the groundwater samples collected from locations Tank GW1 and Tank GW2. The findings are summarized below:

GW1	Tetrachloroethene (19 µg/L)
GW3	1,1,1-Trichloroethane (18 µg/L), cis-1,2-Dichloroethene (190 µg/L), Tetrachloroethene (950 µg/L), trans-1,2-Dichloroethene (6.6 µg/L), Trichloroethene (150 µg/L), and Vinyl Chloride (5.6 µg/L).
GW4	1,1,1-Trichloroethane (15 µg/L), cis-1,2-Dichloroethene (130 µg/L), Tetrachloroethene (610 µg/L), trans-1,2-Dichloroethene (14 µg/L), Trichloroethene (90 µg/L), and Vinyl Chloride (5.1 µg/L).
Tank GW1	n-Propylbenzene (21 µg/L).
Tank GW2	Isopropylbenzene (47 µg/L), Naphthalene (66 µg/L), n-Propylbenzene (110 µg/L).

SVOCs
Several SVOCs were detected within the groundwater samples Tank GW1 and Tank GW2. The findings are summarized below:

Tank GW1	Benzo(a)anthracene (11 µg/L), Benzo(b)fluoranthene (13 µg/L), Benzo(k)fluoranthene (5.1 µg/L), Chrsyene (11 µg/L), Indeno(1,2,3-cd)pyrene (5.8 µg/L).
*Tank GW2	Fluoranthene (73 µg/L), Naphthalene (57 µg/L), Phenanthrene (51 µg/L), Pyrene (69 µg/L).

*Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated Report Limit (RL) was reported for the semivolatile analysis.

3.0 CONCLUSIONS

Subsurface soils at the site are primarily made up of urban fill material to a maximum depth of 4 feet, followed by a silty sand to approximately 15 feet below grade and coarse sand to the boring terminus. The groundwater was encountered at a depth of approximately 9 feet below grade of Lots 22 and 23.

Lots 22 and 23
No VOCs or SVOCs were detected above UUSCOs within any of the soil samples from Lots 22 and 23. Groundwater samples showed concentrations of several chlorinated VOCs above NYSDEC Groundwater Quality Standards including tetrachloroethene (PCE) at a concentration of 950 ug/L. Based on the historic use of the lots for controller manufacturing, leather goods and plating equipment and the chlorinated solvent detections in soil, it's possible that the contaminants are site related.

Lot 4
Elevated concentrations of petroleum VOCs were detected within one soil sample, but only one VOC, n-Propylbenzene, was reported above its respective UUSCO. No SVOCs were detected above UUSCOs within either of the soil samples retained. The groundwater results showed several petroleum VOCs and SVOCs over NYSDEC Groundwater Quality Standards in each sample including n-propylbenzene. Based on field observations and the elevated levels of petroleum VOCs in soil and groundwater in the vicinity of the UST, a spill was reported to the NYSDEC as required by Law (Spill No. 1302045).

4.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-6

NYSDEC, Division of Water, June 1998, Addendum April 2000, *Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

Environmental Business Consultants, October 2011, *Phase I Environmental Site Assessment, 27-21 44th Drive, Long Island City, NY.*

TABLES

TABLE 1
27-21 44th Drive
Queens, NY
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,1-Trichloroethane	680	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,2,2-Tetrachloroethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
1,1,2-Trichloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethane	270	26,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethene	330	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trimethylbenzene	3,600	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromo-3-chloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromoethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloroethane	20	3,100	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3,5-Trimethylbenzene	8,400	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichlorobenzene	2,400	4,900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,4-Dichlorobenzene	1,800	13,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Hexanone (Methyl Butyl Ketone)			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
2-Isopropyltoluene			ND	7	**12**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Methyl-2-Pentanone			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
Acetone	50	100,000	ND	35	ND	36	ND	27	ND	27	ND	50	ND	31,000
Acrylonitrile			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Benzene	60	4,800	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromochloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromodichloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromoform			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon Disulfide			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon tetrachloride	760	2,400	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroform	370	49,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
cis-1,2-Dichloroethene	250	100,000	ND	7	ND	7.3	**90**	5.3	**12**	5.5	ND	12	ND	1,600
cis-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dibromochloromethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
Dibromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dichlorodifluoromethane		100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Ethylbenzene	1,000	41,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Hexachlorobutadiene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Isopropylbenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	**32**	12	**2,000**	1,600
m&p-Xylenes	260		ND	7	ND	7.3	ND	5.3	ND	5.5	**16**	12	ND	1,600
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	42	ND	44	ND	32	ND	33	ND	70	ND	9,400
Methyl t-butyl ether (MTBE)	930	100,000	ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Methylene chloride	50	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Naphthalene	12,000		ND	7	**39**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
n-Butylbenzene	12,000	100,000	ND	7	**21**	7.3	ND	5.3	ND	5.5	**18**	12	**4,000**	1,600
n-Propylbenzene	3,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	**51**	12	**4,500**	1,600
o-Xylene	260	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
p-Isopropyltoluene			ND	7	**25**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
sec-Butylbenzene	11,000	100,000	ND	7	**35**	7.3	ND	5.3	ND	5.5	**18**	12	**1,700**	1,600
Styrene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
tert-Butylbenzene	5,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Tetrachloroethene	1,300	19,000	ND	7	ND	7.3	**630**	290	**92**	5.5	ND	12	ND	1,600
Tetrahydrofuran (THF)			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Toluene	700	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total Xylenes			ND	7	ND	7.3	ND	5.3	ND	5.5	16	12	ND	1,600
trans-1,2-Dichloroethene	190	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trans-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trabs-1,4-dichloro-2-butene			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Trichloroethene	470	21,000	ND	7	ND	7.3	**64**	5.3	**11**	5.5	ND	12	ND	1,600
Trichlorofluoromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Trichlorotrifluoroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Vinyl Chloride	20	900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total BTEX Concentration			**0.0**		**25.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**132.0**		**784.0**		**115.0**		**151.0**		**12200.0**	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
ND - Not-detected
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 2
27-21 44th Drive
Queens, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Acenaphthene	20,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Acenaphthylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Anthracene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Benz(a)anthracene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**680**	310	ND	3,100
Benzo(a)pyrene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**580**	310	ND	3,100
Benzo(b)fluoranthene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**700**	310	ND	3,100
Benzo(ghi)perylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**410**	310	ND	3,100
Benzo(k)fluoranthene	800	3,900	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Chrysene	1,000	3,900	ND	270	ND	270	ND	270	ND	270	**820**	310	ND	3,100
Dibenz(a,h)anthracene	330	330	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Fluoranthene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,600**	310	ND	3,100
Fluorene	30,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Indeno(1,2,3-cd)pyrene	500	500	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Naphthalene	12,000	100,000	ND	270	ND	270	ND	270	ND	270	**310**	310	ND	3,100
Phenanthrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,100**	310	ND	3,100
Pyrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,700**	310	ND	3,100

Notes:

* - NYSDEC Technical and Administative Guidance Memorandum 4046, 1994

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

NA - Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1		GW3		GW4		TANK GW1		TANK GW2	
	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,1,1-Trichloroethane	5	ND	1	**18**	1	**15**	2	ND	20	ND	40
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	2	ND	20	ND	40
1,1-Dichloroethane	5	ND	1	**1.7**	1	**3.1**	2	ND	20	ND	40
1,1-Dichloroethene	5	ND	1	**1.4**	1	ND	2	ND	20	ND	40
1,1-Dichloropropene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromo-3-chloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloropropane	0.94	ND	0.6	ND	0.6	ND	1.2	ND	12	ND	24
1,3,5-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromoethane		ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,4-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2,2-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Hexanone (Methyl Butyl Ketone)		ND	5	ND	5	ND	10	ND	100	ND	200
2-Isopropyltoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Methyl-2-Pentanone		ND	5	ND	5	ND	10	ND	100	ND	200
Acetone		ND	25	ND	25	ND	50	ND	500	ND	1,000
Acrylonitrile	5	ND	5	ND	5	ND	10	ND	100	ND	200
Benzene	1	ND	0.7	ND	0.7	ND	1.4	ND	14	ND	28
Bromobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromochloromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromodichloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Bromoform		ND	1	ND	1	ND	2	ND	20	ND	40
Bromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Carbon Disulfide	60	ND	5	ND	5	ND	10	ND	100	ND	200
Carbon tetrachloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroform	7	ND	1	ND	1	ND	2	ND	20	ND	40
Chloromethane	60	ND	1	ND	1	ND	2	ND	20	ND	40
cis-1,2-Dichloroethene	5	**4.2**	1	**190**	10	**130**	20	ND	20	ND	40
cis-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromochloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Dichlorodifluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Ethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Hexachlorobutadiene	0.5	ND	0.4	ND	0.4	ND	0.8	ND	8	ND	16
Isopropylbenzene	5	ND	1	ND	1	ND	2	ND	20	**47**	40
m&p-Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	10	ND	100	ND	200
Methyl t-butyl ether (MTBE)	10	ND	1	ND	1	ND	2	ND	20	ND	40
Methylene chloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Naphthalene	10	ND	1	ND	1	ND	2	ND	20	ND	40
n-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	**66**	40
n-Propylbenzene	5	ND	1	ND	1	ND	2	**21**	20	**110**	40
o-Xylene	5	ND	1	ND	1	ND	2	ND	20	ND	40
p-Isopropyltoluene		ND	1	ND	1	ND	2	ND	20	ND	40
sec-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Styrene	5	ND	1	ND	1	ND	2	ND	20	ND	40
tert-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Tetrachloroethene	5	**19**	1	**950**	50	**610**	20	ND	20	ND	40
Tetrahydrofuran (THF)		ND	2.5	ND	2.5	ND	5	ND	50	ND	100
Toluene	5	**1.8**	1	ND	1	ND	2	ND	20	ND	40
Total Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
trans-1,2-Dichloroethene	5	ND	1	**6.6**	1	**14**	2	ND	20	ND	40
trans-1,3-Dichloropropene	0.4	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
trans-1,4-dichloro-2-butene	5	ND	5	ND	5	ND	10	ND	100	ND	200
Trichloroethene	5	**3.2**	1	**150**	10	**90**	20	ND	20	ND	40
Trichlorofluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Trichlorotrifluoroethane		ND	1	ND	1	ND	2	ND	20	ND	40
Vinyl Chloride	2	ND	1	**5.6**	1	**5.1**	2	ND	20	ND	40

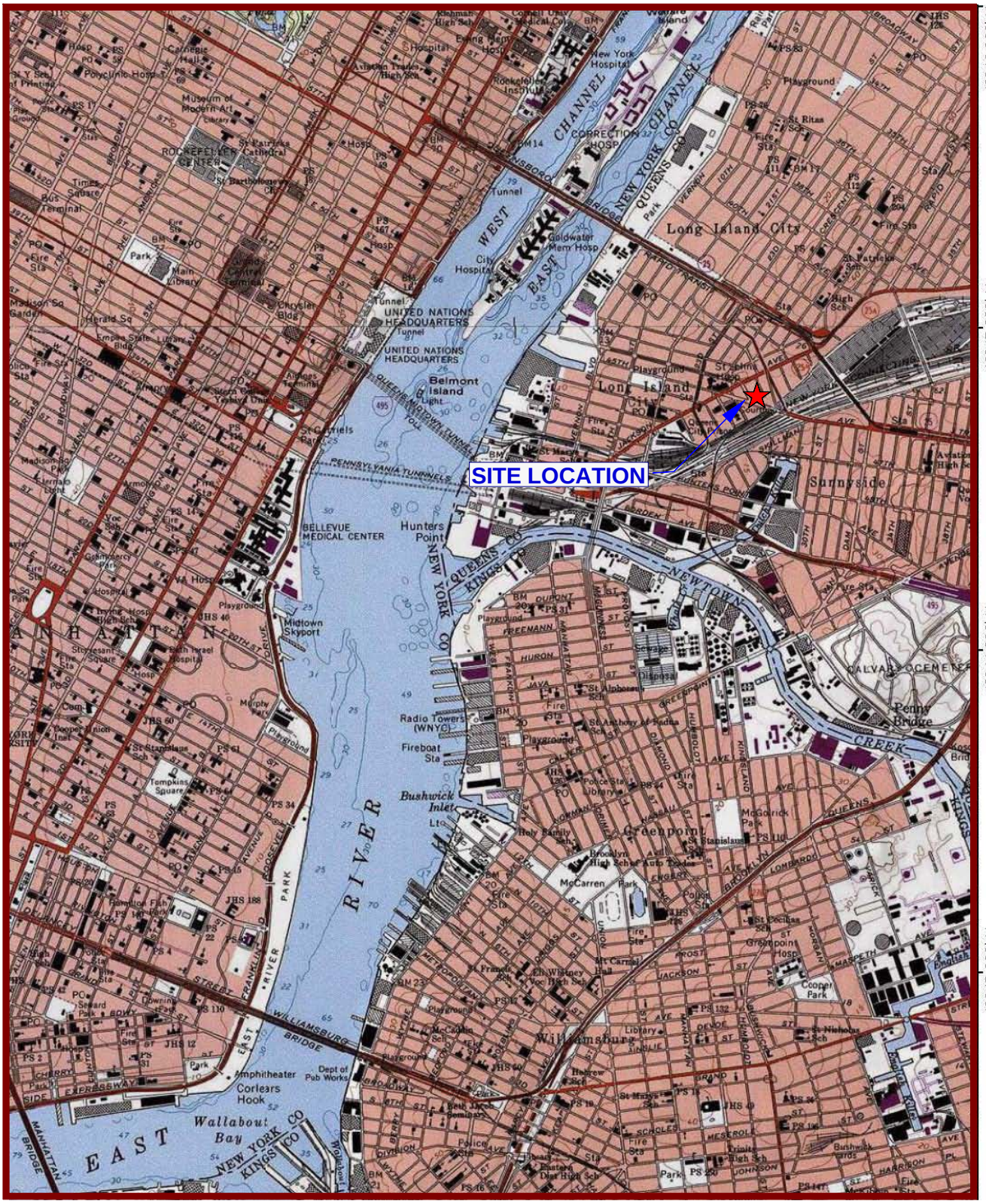
Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 4
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	TANK GW1 µg/L		TANK GW2 µg/L	
		Result	RL	Result	RL
2-Methylnaphthalene		**0.98**	0.1	ND	*50
Acenaphthene	20	**1.4**	0.1	ND	*50
Acenaphthylene		**1.1**	0.1	ND	*50
Anthracene	50	**4.3**	0.1	ND	*50
Benz(a)anthracene	0.002	**11**	0.02	ND	*50
Benzo(a)pyrene		**11**	0.02	ND	*50
Benzo(b)fluoranthene	0.002	**13**	0.02	ND	*50
Benzo(ghi)perylene		**7.5**	0.1	ND	*50
Benzo(k)fluoranthene	0.002	**5.1**	0.02	ND	*50
Chrysene	0.002	**11**	0.02	ND	*50
Dibenzo(a,h)anthracene		**1.5**	0.01	ND	*50
Fluoranthene	50	**19**	0.1	**73**	*50
Fluorene	50	**1.4**	0.1	ND	*50
Indeno(1,2,3-cd)pyrene	0.002	**5.8**	0.02	ND	*50
Naphthalene	10	**1.5**	0.1	**57**	*50
Phenanthrene	50	**14**	0.07	**51**	*50
Pyrene	50	**21**	0.1	**69**	*50

Notes:
ND - Not detected
* - Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES

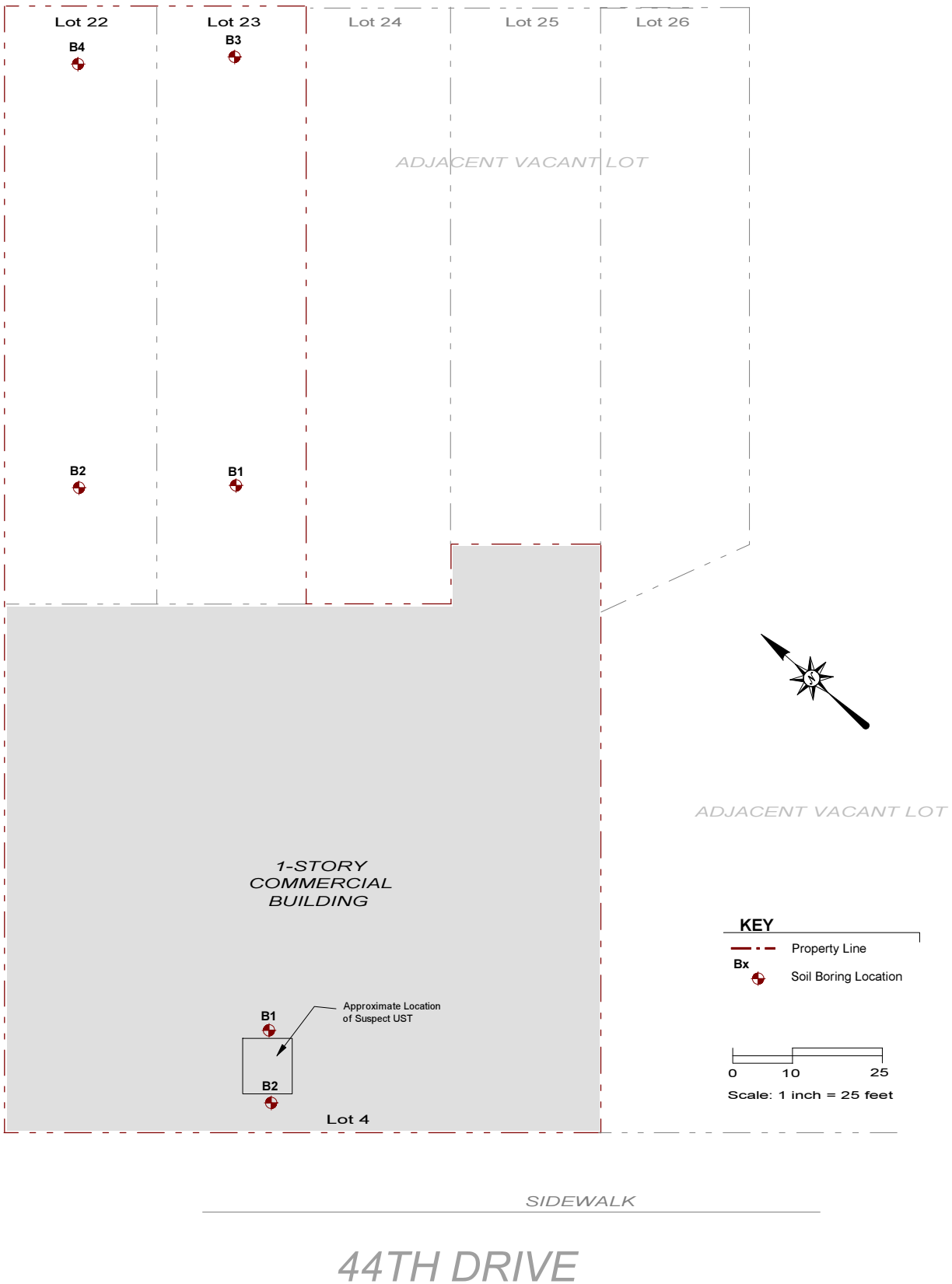


USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE & 44-18/20 PURVES STREET
LONG ISLAND CITY, NY

FIGURE 1 SITE LOCATION MAP



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE, 44-18 PURVES STREET
QUEENS, NY 11101

FIGURE 2 SITE PLAN

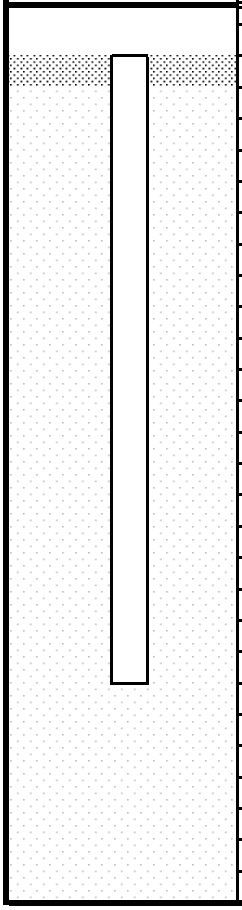
APPENDIX A
SOIL BORING LOGS

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the rear of Lot 23.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/10/2013		Date Completed: 5/10/2013			None
Completion Depth: 20 Feet		Geologist Dominick Mosca			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	29		0.0	3" - Top soil. 26" - Dark fill material in a firm silty sand matrix.
	5 to 10	30		0.0	14" - Moist brown silty sand, little to no gravel. No odor, No PID. 16" - Saturated brown, sandy loam. No gravel, No PID, No odor. **Retained Soil Sample B1 (7-10')*
	10 to 15	32		0.0	12" - Saturated brown silty sand with fine gravel. No odor, No PID. 20" - Coarse sand and gravel. No odor, No PID.
	15 to 20	18		0.0	18" - Saturated coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed in the rear of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0.0	2" - Top soil. 8" - Sandy fill, brick, gravel, dark moist sandy soil. 10" - Fine brown sand with fine gravel and trace silt. No odor, No PID.
	to 10	32		0-50	12" - Fine brown sand and gravel. 12" - Saturated grey sandy loam. Petroleum odor. PID 0-50ppm. 7" - Saturated brown sand with gravel. Slight odor. **Retained Soil Sample B2 (7-10')*
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID.
	to 20	24		0-3	24" - Saturated brown coarse sand and gravel. Bottom 8" had slight petroleum odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed in the front portion of Lot 23.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date / DTW	Groundwater depth	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	1" - Top soil. 6" - Concrete. 5" - Sandy fill material comprised of brick, wood, etc. 23" - Moist, brown silty sand with assorted gravel for the bottom 8".
	to 10	30		0.0	28" - Moist brown sandy clay. No gravel, No PID, No odor. 2" - Saturated silty sand with fine gravel.
	to 15	36		0.0	25" - Saturated brown silty sand and fine gravel. 11" - Dark brown sandy clay, no gravel. PID 0-5ppm, No odor. **Retained Soil Sample B3 (12-15')*
	to 20	30		0.0	25" - Firm, saturated, dark brown clay with no gravel. No odor, No PID. 5" - Coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed in front portion of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	4" - Top soil. 36" - Fine brown silty sand with assorted gravel. No PID, no odor.
	to 10	22		0.0	22" - Moist brown silty sand with gravel. No odor, no PID.
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID. **Retained Soil Sample B4 (12-15')*
	to 20	30		0.0	30" - Saturated medium sand with approx. 50% gravel. No odor, No PID. **Retained Groundwater Sample GW4.*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B1 Boring Log

Location: Performed adjacent to the suspect UST (toward Purves Street).			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013	Date Completed: 5/12/2013			None
Completion Depth: 10 Feet	Geologist Dominick Mosca			

Tank B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	50		200.0	30" - Fill material. 20" - Saturated silty sand. Stained black, heavy petroleum odor. PID 100-200ppm.
	to 10	50		300.0	50" - Saturated silty sand with fine gravel. Stained black with heavy petroleum odor, PID 0-300ppm. *Retained Soil Sample B1 (5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B2 Boring Log

Location: Performed toward the rear wall.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013		Date Completed: 5/12/2013			None
Completion Depth: 10 Feet		Geologist Dominick Mosca			

Tank B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	35		0-10	15" - Concrete 10" - Dark brown silty sand with gravel. Slight petroleum odor.
	5				
	to	40		280.0	40" - Stained black silty sand with fine gravel. PID 100-280ppm. **Retained Soil Sample B2 (5-7')*
	10				

APPENDIX B
LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, May 20, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 4416-4418 PURVES ST.
Sample ID#s: BD71472 - BD71478

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

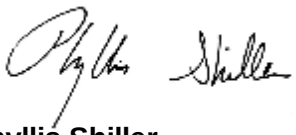
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 20, 2013

SDG I.D.: GBD71472

BD71476 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71472

Project ID: 4416-4418 PURVES ST.
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	35	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472

Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	42	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	104		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	94		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	104		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71473

Project ID: 4416-4418 PURVES ST.
Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	36	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	12	7.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	44	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	39	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	21	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	25	7.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	35	7.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	15	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	108		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	37		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	40		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	47		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71474

Project ID: 4416-4418 PURVES ST.
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474

Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	90	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	630	290	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	64	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	97		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	92		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	87		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	96		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71475

Project ID: 4416-4418 PURVES ST.
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	12	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	92	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	11	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	92		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71475
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	93		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	107		%	05/16/13	DD	30 - 130 %

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71476

Project ID: 4416-4418 PURVES ST.
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/16/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/16/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,2-Dichloroethene	4.2	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/16/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrachloroethene	19	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/16/13	R/T	SW8260	1
Toluene	1.8	1.0	ug/L	05/16/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Trichloroethene	3.2	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/16/13	R/T	70 - 130 %	
% Bromofluorobenzene	85		%	05/16/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/16/13	R/T	70 - 130 %	
% Toluene-d8	92		%	05/16/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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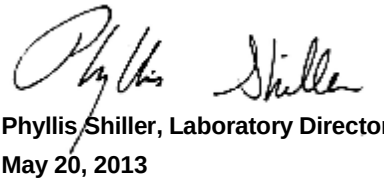

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71477

Project ID: 4416-4418 PURVES ST.
Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	18	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	1.7	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	1.4	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	190	10.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	950	50.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	6.6	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	150	10.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.6	1.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	96		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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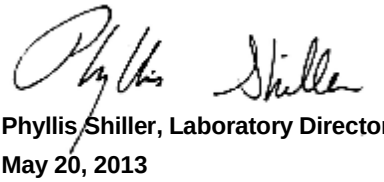

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71478

Project ID: 4416-4418 PURVES ST.
Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	15	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	3.1	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	1.2	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	10	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	10	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	50	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	10	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	1.4	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	10	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	130	20.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.80	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	10	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	610	20.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	14	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	90	20.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.1	2.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	87		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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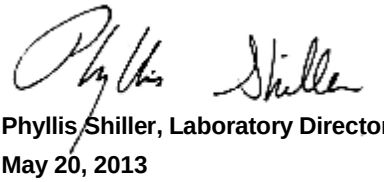

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 20, 2013

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 230739, QC Sample No: BD71313 (BD71474 (45X))										
Volatiles - Soil										
Tetrachloroethene	ND	106	100	5.8	103	93	10.2	70 - 130	30	
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.										
QA/QC Batch 230307, QC Sample No: BD71443 (BD71472, BD71473, BD71474, BD71475)										
Polynuclear Aromatic HC - Soil										
Acenaphthene	ND	88	88	0.0	91	93	2.2	30 - 130	30	
Acenaphthylene	ND	86	86	0.0	92	92	0.0	30 - 130	30	
Anthracene	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Benz(a)anthracene	ND	87	88	1.1	89	90	1.1	30 - 130	30	
Benzo(a)pyrene	ND	84	85	1.2	84	86	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	96	96	0.0	98	102	4.0	30 - 130	30	
Benzo(ghi)perylene	ND	81	81	0.0	96	87	9.8	30 - 130	30	
Benzo(k)fluoranthene	ND	98	101	3.0	90	95	5.4	30 - 130	30	
Chrysene	ND	88	88	0.0	92	91	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	80	80	0.0	99	91	8.4	30 - 130	30	
Fluoranthene	ND	91	92	1.1	95	94	1.1	30 - 130	30	
Fluorene	ND	90	90	0.0	94	94	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	82	82	0.0	82	74	10.3	30 - 130	30	
Naphthalene	ND	86	81	6.0	87	88	1.1	30 - 130	30	
Phenanthrene	ND	92	94	2.2	96	95	1.0	30 - 130	30	
Pyrene	ND	88	90	2.2	94	92	2.2	30 - 130	30	
% 2-Fluorobiphenyl	89	88	85	3.5	87	86	1.2	30 - 130	30	
% Nitrobenzene-d5	90	79	75	5.2	85	86	1.2	30 - 130	30	
% Terphenyl-d14	96	96	96	0.0	94	93	1.1	30 - 130	30	
Comment:										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 230521, QC Sample No: BD71482 (BD71472, BD71473, BD71474, BD71475)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	112	108	3.6	103	112	8.4	70 - 130	30	
1,1,1-Trichloroethane	ND	94	89	5.5	90	97	7.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	94	2.1	<40	<40	NC	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	101	4.0	90	89	1.1	70 - 130	30	
1,1-Dichloroethane	ND	95	92	3.2	91	95	4.3	70 - 130	30	
1,1-Dichloroethene	ND	91	85	6.8	91	97	6.4	70 - 130	30	
1,1-Dichloropropene	ND	101	94	7.2	94	105	11.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	103	11.3	78	80	2.5	70 - 130	30	
1,2,3-Trichloropropane	ND	98	88	10.8	90	92	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	89	97	8.6	77	81	5.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	89	4.4	86	96	11.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	120	130	8.0	112	112	0.0	70 - 130	30	
1,2-Dibromoethane	ND	98	104	5.9	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	95	94	1.1	87	95	8.8	70 - 130	30	
1,2-Dichloroethane	ND	98	100	2.0	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	92	96	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	86	8.9	87	99	12.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	92	4.3	86	96	11.0	70 - 130	30	
1,3-Dichloropropane	ND	99	99	0.0	95	97	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	92	90	2.2	84	91	8.0	70 - 130	30	
2,2-Dichloropropane	ND	96	92	4.3	88	94	6.6	70 - 130	30	
2-Chlorotoluene	ND	104	95	9.0	95	108	12.8	70 - 130	30	
2-Hexanone	ND	77	86	11.0	101	97	4.0	70 - 130	30	
2-Isopropyltoluene	ND	97	93	4.2	93	104	11.2	70 - 130	30	
4-Chlorotoluene	ND	97	91	6.4	92	103	11.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	103	11.3	99	92	7.3	70 - 130	30	
Acetone	ND	64	71	10.4	112	96	15.4	70 - 130	30	I
Acrylonitrile	ND	93	102	9.2	100	89	11.6	70 - 130	30	
Benzene	ND	91	87	4.5	87	94	7.7	70 - 130	30	
Bromobenzene	ND	106	100	5.8	99	109	9.6	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	101	100	1.0	70 - 130	30	
Bromodichloromethane	ND	92	92	0.0	87	90	3.4	70 - 130	30	
Bromoform	ND	112	116	3.5	106	108	1.9	70 - 130	30	
Bromomethane	ND	99	89	10.6	89	106	17.4	70 - 130	30	
Carbon Disulfide	ND	83	77	7.5	83	91	9.2	70 - 130	30	
Carbon tetrachloride	ND	108	103	4.7	100	114	13.1	70 - 130	30	
Chlorobenzene	ND	102	98	4.0	94	103	9.1	70 - 130	30	
Chloroethane	ND	94	87	7.7	93	100	7.3	70 - 130	30	
Chloroform	ND	88	85	3.5	84	88	4.7	70 - 130	30	
Chloromethane	ND	97	95	2.1	105	106	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	94	95	1.1	92	91	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	98	2.1	89	91	2.2	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	104	109	4.7	70 - 130	30	
Dibromomethane	ND	97	102	5.0	96	94	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	106	102	3.8	112	115	2.6	70 - 130	30	
Ethylbenzene	ND	95	89	6.5	90	100	10.5	70 - 130	30	
Hexachlorobutadiene	ND	80	91	12.9	90	100	10.5	70 - 130	30	
Isopropylbenzene	ND	105	94	11.1	97	113	15.2	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	91	99	8.4	70 - 130	30	
Methyl ethyl ketone	ND	64	76	17.1	97	84	14.4	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	85	87	2.3	86	84	2.4	70 - 130	30	
Methylene chloride	ND	78	77	1.3	80	80	0.0	70 - 130	30	
Naphthalene	ND	102	122	17.9	90	89	1.1	70 - 130	30	
n-Butylbenzene	ND	80	79	1.3	80	90	11.8	70 - 130	30	
n-Propylbenzene	ND	103	94	9.1	94	109	14.8	70 - 130	30	
o-Xylene	ND	97	94	3.1	91	99	8.4	70 - 130	30	
p-Isopropyltoluene	ND	99	94	5.2	93	106	13.1	70 - 130	30	
sec-Butylbenzene	ND	90	83	8.1	87	100	13.9	70 - 130	30	
Styrene	ND	90	88	2.2	88	93	5.5	70 - 130	30	
tert-Butylbenzene	ND	103	94	9.1	96	109	12.7	70 - 130	30	
Tetrachloroethene	ND	109	99	9.6	101	114	12.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	87	97	10.9	93	82	12.6	70 - 130	30	
Toluene	ND	92	90	2.2	88	94	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	81	6.0	82	87	5.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,3-Dichloropropene	ND	94	97	3.1	90	87	3.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	107	9.8	99	96	3.1	70 - 130	30	
Trichloroethene	ND	106	101	4.8	>150	>150	NC	70 - 130	30	m
Trichlorofluoromethane	ND	97	90	7.5	93	102	9.2	70 - 130	30	
Trichlorotrifluoroethane	ND	103	96	7.0	105	111	5.6	70 - 130	30	
Vinyl chloride	ND	105	101	3.9	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	100	102	2.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	94	95	97	2.1	96	94	2.1	70 - 130	30	
% Dibromofluoromethane	97	96	100	4.1	97	93	4.2	70 - 130	30	
% Toluene-d8	96	94	95	1.1	93	92	1.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230757, QC Sample No: BD71493 (BD71476, BD71477 (50, 10X) , BD71478 (20X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	94	91	3.2	94	91	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	85	83	2.4	97	83	15.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	108	4.7	117	112	4.4	70 - 130	30	
1,1,2-Trichloroethane	ND	95	95	0.0	106	108	1.9	70 - 130	30	
1,1-Dichloroethane	ND	106	109	2.8	111	105	5.6	70 - 130	30	
1,1-Dichloroethene	ND	103	107	3.8	117	102	13.7	70 - 130	30	
1,1-Dichloropropene	ND	95	98	3.1	112	110	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	112	9.3	116	119	2.6	70 - 130	30	
1,2,3-Trichloropropane	ND	97	100	3.0	107	101	5.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	101	3.0	108	111	2.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	100	0.0	112	108	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	104	3.9	114	112	1.8	70 - 130	30	
1,2-Dibromoethane	ND	89	91	2.2	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	98	98	0.0	103	99	4.0	70 - 130	30	
1,2-Dichloroethane	ND	78	81	3.8	80	84	4.9	70 - 130	30	
1,2-Dichloropropane	ND	98	98	0.0	109	109	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	97	1.0	107	104	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	99	99	0.0	103	100	3.0	70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	113	109	3.6	70 - 130	30	
1,4-Dichlorobenzene	ND	98	98	0.0	101	98	3.0	70 - 130	30	
2,2-Dichloropropane	ND	110	107	2.8	120	104	14.3	70 - 130	30	
2-Chlorotoluene	ND	103	104	1.0	110	105	4.7	70 - 130	30	
2-Hexanone	ND	104	103	1.0	119	113	5.2	70 - 130	30	
2-Isopropyltoluene	ND	98	98	0.0	106	103	2.9	70 - 130	30	
4-Chlorotoluene	ND	100	100	0.0	108	105	2.8	70 - 130	30	
4-Methyl-2-pentanone	ND	100	101	1.0	124	123	0.8	70 - 130	30	
Acetone	ND	90	89	1.1	54	41	27.4	70 - 130	30	m
Acrylonitrile	ND	125	132	5.4	141	123	13.6	70 - 130	30	l,m
Benzene	ND	104	110	5.6	113	128	12.4	70 - 130	30	
Bromobenzene	ND	100	100	0.0	106	103	2.9	70 - 130	30	
Bromochloromethane	ND	113	109	3.6	122	107	13.1	70 - 130	30	
Bromodichloromethane	ND	82	83	1.2	92	94	2.2	70 - 130	30	
Bromoform	ND	101	99	2.0	93	90	3.3	70 - 130	30	
Bromomethane	ND	116	117	0.9	90	86	4.5	70 - 130	30	
Carbon Disulfide	ND	104	106	1.9	130	119	8.8	70 - 130	30	
Carbon tetrachloride	ND	73	72	1.4	75	73	2.7	70 - 130	30	
Chlorobenzene	ND	99	100	1.0	103	99	4.0	70 - 130	30	
Chloroethane	ND	112	114	1.8	121	105	14.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroform	ND	99	95	4.1	110	93	16.7	70 - 130	30	
Chloromethane	ND	97	96	1.0	112	96	15.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	121	122	0.8	130	110	16.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	102	1.0	116	118	1.7	70 - 130	30	
Dibromochloromethane	ND	96	97	1.0	96	94	2.1	70 - 130	30	
Dibromomethane	ND	91	93	2.2	99	100	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	82	79	3.7	99	89	10.6	70 - 130	30	
Ethylbenzene	ND	98	97	1.0	106	103	2.9	70 - 130	30	
Hexachlorobutadiene	ND	86	85	1.2	95	95	0.0	70 - 130	30	
Isopropylbenzene	ND	101	101	0.0	113	113	0.0	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	106	102	3.8	70 - 130	30	
Methyl ethyl ketone	ND	98	101	3.0	101	85	17.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	97	4.0	135	130	3.8	70 - 130	30	m
Methylene chloride	ND	98	103	5.0	99	86	14.1	70 - 130	30	
Naphthalene	ND	106	108	1.9	140	142	1.4	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	105	103	1.9	70 - 130	30	
n-Propylbenzene	ND	104	104	0.0	114	110	3.6	70 - 130	30	
o-Xylene	ND	108	106	1.9	107	103	3.8	70 - 130	30	
p-Isopropyltoluene	ND	99	97	2.0	109	108	0.9	70 - 130	30	
sec-Butylbenzene	ND	96	94	2.1	107	103	3.8	70 - 130	30	
Styrene	ND	106	106	0.0	105	100	4.9	70 - 130	30	
tert-Butylbenzene	ND	95	96	1.0	105	102	2.9	70 - 130	30	
Tetrachloroethene	ND	92	90	2.2	102	103	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	117	0.0	121	94	25.1	70 - 130	30	
Toluene	ND	91	92	1.1	108	112	3.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	119	115	3.4	116	112	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	96	94	2.1	109	110	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	130	129	0.8	130	129	0.8	70 - 130	30	
Trichloroethene	ND	100	99	1.0	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	78	80	2.5	94	82	13.6	70 - 130	30	
Trichlorotrifluoroethane	ND	92	88	4.4	106	99	6.8	70 - 130	30	
Vinyl chloride	ND	110	108	1.8	116	101	13.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	83	95	95	0.0	89	89	0.0	70 - 130	30	
% Dibromofluoromethane	95	103	99	4.0	103	95	8.1	70 - 130	30	
% Toluene-d8	92	91	93	2.2	99	107	7.8	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230579, QC Sample No: BD78745 (BD71477, BD71478 (2X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	96	95	1.0	103			70 - 130	30	
1,1,1-Trichloroethane	ND	92	85	7.9	103			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	105	0.0	116			70 - 130	30	
1,1,2-Trichloroethane	ND	97	93	4.2	102			70 - 130	30	
1,1-Dichloroethane	ND	101	95	6.1	135			70 - 130	30	m
1,1-Dichloroethene	ND	110	99	10.5	127			70 - 130	30	
1,1-Dichloropropene	ND	93	84	10.2	131			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	108	105	2.8	105			70 - 130	30	
1,2,3-Trichloropropane	ND	99	96	3.1	110			70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	104	1.0	108			70 - 130	30	
1,2,4-Trimethylbenzene	ND	110	106	3.7	118			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	103	102	1.0	116			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	91	90	1.1	99			70 - 130	30	
1,2-Dichlorobenzene	ND	102	100	2.0	109			70 - 130	30	
1,2-Dichloroethane	ND	76	72	5.4	98			70 - 130	30	
1,2-Dichloropropane	ND	98	93	5.2	111			70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	103	4.7	117			70 - 130	30	
1,3-Dichlorobenzene	ND	107	103	3.8	112			70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	119			70 - 130	30	
1,4-Dichlorobenzene	ND	106	102	3.8	110			70 - 130	30	
2,2-Dichloropropane	ND	>150	135	NC	138			70 - 130	30	l,m
2-Chlorotoluene	ND	113	108	4.5	119			70 - 130	30	
2-Hexanone	ND	100	103	3.0	109			70 - 130	30	
2-Isopropyltoluene	ND	108	102	5.7	120			70 - 130	30	
4-Chlorotoluene	ND	109	105	3.7	120			70 - 130	30	
4-Methyl-2-pentanone	ND	97	93	4.2	110			70 - 130	30	
Acetone	ND	84	83	1.2	104			70 - 130	30	
Acrylonitrile	ND	113	116	2.6	147			70 - 130	30	m
Benzene	ND	98	90	8.5	149			70 - 130	30	m
Bromobenzene	ND	107	105	1.9	114			70 - 130	30	
Bromochloromethane	ND	107	103	3.8	124			70 - 130	30	
Bromodichloromethane	ND	88	83	5.8	95			70 - 130	30	
Bromoform	ND	100	99	1.0	109			70 - 130	30	
Bromomethane	ND	101	98	3.0	96			70 - 130	30	
Carbon Disulfide	ND	104	97	7.0	147			70 - 130	30	m
Carbon tetrachloride	ND	78	73	6.6	95			70 - 130	30	
Chlorobenzene	ND	105	101	3.9	115			70 - 130	30	
Chloroethane	ND	102	98	4.0	144			70 - 130	30	m
Chloroform	ND	97	91	6.4	111			70 - 130	30	
Chloromethane	ND	98	92	6.3	123			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	103	6.6	115			70 - 130	30	
Dibromochloromethane	ND	99	99	0.0	104			70 - 130	30	
Dibromomethane	ND	93	89	4.4	99			70 - 130	30	
Dichlorodifluoromethane	ND	99	91	8.4	99			70 - 130	30	
Ethylbenzene	ND	105	100	4.9	118			70 - 130	30	
Hexachlorobutadiene	ND	97	95	2.1	104			70 - 130	30	
Isopropylbenzene	ND	119	113	5.2	124			70 - 130	30	
m&p-Xylene	ND	106	103	2.9	120			70 - 130	30	
Methyl ethyl ketone	ND	88	86	2.3	125			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	93	87	6.7	122			70 - 130	30	
Methylene chloride	ND	90	87	3.4	115			70 - 130	30	
Naphthalene	ND	115	113	1.8	111			70 - 130	30	
n-Butylbenzene	ND	112	106	5.5	119			70 - 130	30	
n-Propylbenzene	ND	119	113	5.2	120			70 - 130	30	
o-Xylene	ND	111	107	3.7	122			70 - 130	30	
p-Isopropyltoluene	ND	111	105	5.6	118			70 - 130	30	
sec-Butylbenzene	ND	107	102	4.8	119			70 - 130	30	
Styrene	ND	107	105	1.9	122			70 - 130	30	
tert-Butylbenzene	ND	109	104	4.7	120			70 - 130	30	
Tetrahydrofuran (THF)	ND	105	97	7.9	132			70 - 130	30	m
Toluene	ND	99	93	6.3	110			70 - 130	30	
trans-1,2-Dichloroethene	ND	109	102	6.6	131			70 - 130	30	m
trans-1,3-Dichloropropene	ND	104	98	5.9	109			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	136	137	0.7	141			70 - 130	30	l,m
Trichlorofluoromethane	ND	89	81	9.4	94			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorotrifluoroethane	ND	103	94	9.1	106			70 - 130	30	
Vinyl chloride	ND	107	100	6.8	135			70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	99	99	0.0	100			70 - 130	30	
% Bromofluorobenzene	84	90	91	1.1	97			70 - 130	30	
% Dibromofluoromethane	95	99	100	1.0	99			70 - 130	30	
% Toluene-d8	93	92	91	1.1	90			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 20, 2013

Sample Criteria Exceedences Report

GBD71472 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2013

SDG I.D.: GBD71472

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

4°C w/ C of C

NY/NJ CHAIN OF CUSTODY RECORD

Temp Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email:

Customer: EBC
Address: 1808 Middle County Road, Ridge, NY 11961

Project: ~~4418 and 4420~~ 4416-4418 Pares St
Report to:
Invoice to: EBC

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Date: 5-10-13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP-51 List	Soil VOA [ ] Methanol [ ] Bisulfate [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ]	PL As is [ ]	PL H2SO4 [ ] 250ml [ ] As is [ ]	PL HNO3 250ml [ ]	PL NaOH 250ml [ ]	Bacteria Bottle
71472	B1 (7-10)	S	5.10.13		X	X		2	1	1						
71473	B2 (7-10)	"	"		"	"		"	"	"						
71474	B3 (12-15)	"	"		"	"		"	"	"						
71475	B4 (12-15)	"	"		"	"										
71476	GW1	GW	"		"	"					3					
71477	GW3	"	"		"	"					1					
71478	GW4	"	"		"	"										

Relinquished by:	Accepted by:	Date	Time:
		5-13-13	2100
	Lora Bryda	5-13-13	17:14

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Thursday, May 23, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 27-21 44TH
Sample ID#s: BD80732 - BD80737

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 23, 2013

SDG I.D.: GBD80732

BD80734 - The pH in the preserved vial was greater than 2.

BD80735 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80732

Project ID: 27-21 44TH
Client ID: B1 5-8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	58	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	58	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	32	12	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	16	12	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	70	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	51	12	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	23	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	16	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	128		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	90		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	112		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Benz(a)anthracene	680	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(a)pyrene	580	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	700	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(ghi)perylene	410	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Chrysene	820	310	ug/Kg	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Fluoranthene	1600	310	ug/Kg	05/22/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Naphthalene	310	310	ug/Kg	05/22/13	DD	SW 8270
Phenanthrene	1100	310	ug/Kg	05/22/13	DD	SW 8270
Pyrene	1700	310	ug/Kg	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	65		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	111		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80733

Project ID: 27-21 44TH
Client ID: B2 4-7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	940	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	31000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	940	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	2000	1600	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	9400	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	4000	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	4500	1600	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	1700	1600	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	144		%	05/18/13	R/J	70 - 130 %	3

Project ID: 27-21 44TH
Client ID: B2 4-7

Phoenix I.D.: BD80733

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	109		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Acenaphthylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benz(a)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(a)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(b)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(ghi)perylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(k)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Chrysene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluorene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Naphthalene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Phenanthrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated surrogate recovery was observed for volatiles due to matrix interference.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80734

Project ID: 27-21 44TH
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	10	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	12	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	100	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	100	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	500	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	100	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	14	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	100	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	8.0	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	100	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	20	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	21	20	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	20	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	50	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	20	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	100	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	95		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	101		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Semivolatiles by SIM						
2-Methylnaphthalene	0.98	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthylene	1.1	0.10	ug/L	05/22/13	DD	8270(SIM)
Anthracene	4.3	0.10	ug/L	05/22/13	DD	8270(SIM)
Benz(a)anthracene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(a)pyrene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(b)fluoranthene	13	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(ghi)perylene	7.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Benzo(k)fluoranthene	5.1	0.020	ug/L	05/22/13	DD	8270(SIM)
Chrysene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Dibenz(a,h)anthracene	1.5	0.010	ug/L	05/22/13	DD	8270(SIM)
Fluoranthene	19	0.10	ug/L	05/22/13	DD	8270(SIM)
Fluorene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Indeno(1,2,3-cd)pyrene	5.8	0.020	ug/L	05/22/13	DD	8270(SIM)
Naphthalene	1.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Phenanthrene	14	0.070	ug/L	05/22/13	DD	8270(SIM)
Pyrene	21	0.10	ug/L	05/22/13	DD	8270(SIM)
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	59		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	73		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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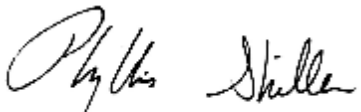

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80735

Project ID: 27-21 44TH
Client ID: GW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	24	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	200	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	200	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	1000	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	200	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	28	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	200	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	16	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	47	40	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	200	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	40	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	40	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	66	40	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	110	40	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	40	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	100	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	40	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	200	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	104		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	105		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthylene	ND	50	ug/L	05/22/13	DD	SW 8270
Anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benz(a)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(a)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(ghi)perylene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Chrysene	ND	50	ug/L	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Fluoranthene	73	50	ug/L	05/22/13	DD	SW 8270
Fluorene	ND	50	ug/L	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Naphthalene	57	50	ug/L	05/22/13	DD	SW 8270
Phenanthrene	51	50	ug/L	05/22/13	DD	SW 8270
Pyrene	69	50	ug/L	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated reporting limits for volatiles due to the presence of non-target compounds.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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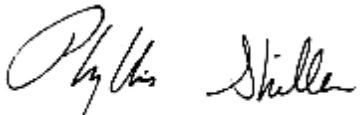

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80736

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	5000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	3000	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	500	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	111		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	102		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80737

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	25	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	109		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	107		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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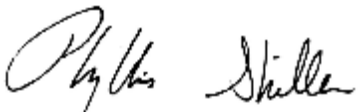

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 23, 2013

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 231177, QC Sample No: BD70474 (BD80732, BD80736 (50X) , BD80737)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	108	109	0.9	105	103	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	104	104	0.0	87	92	5.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	106	0.9	111	107	3.7	70 - 130	30	
1,1,2-Trichloroethane	ND	112	111	0.9	105	103	1.9	70 - 130	30	
1,1-Dichloroethane	ND	115	116	0.9	109	108	0.9	70 - 130	30	
1,1-Dichloroethene	ND	120	121	0.8	88	86	2.3	70 - 130	30	
1,1-Dichloropropene	ND	112	111	0.9	108	107	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	102	1.0	103	98	5.0	70 - 130	30	
1,2,3-Trichloropropane	ND	104	103	1.0	98	96	2.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	102	1.0	109	101	7.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	115	113	1.8	111	104	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	100	2.0	94	90	4.3	70 - 130	30	
1,2-Dibromoethane	ND	104	106	1.9	102	100	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	109	107	1.9	108	103	4.7	70 - 130	30	
1,2-Dichloroethane	ND	95	94	1.1	89	88	1.1	70 - 130	30	
1,2-Dichloropropane	ND	112	112	0.0	108	107	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	111	1.8	110	103	6.6	70 - 130	30	
1,3-Dichlorobenzene	ND	112	110	1.8	112	106	5.5	70 - 130	30	
1,3-Dichloropropane	ND	105	107	1.9	104	103	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	111	108	2.7	110	104	5.6	70 - 130	30	
2,2-Dichloropropane	ND	91	109	18.0	98	98	0.0	70 - 130	30	
2-Chlorotoluene	ND	115	115	0.0	112	105	6.5	70 - 130	30	
2-Hexanone	ND	90	88	2.2	56	55	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	111	110	0.9	110	103	6.6	70 - 130	30	
4-Chlorotoluene	ND	112	110	1.8	113	106	6.4	70 - 130	30	
4-Methyl-2-pentanone	ND	105	101	3.9	91	89	2.2	70 - 130	30	
Acetone	ND	105	85	21.1	44	<40	NC	70 - 130	30	m
Acrylonitrile	ND	108	110	1.8	104	102	1.9	70 - 130	30	
Benzene	ND	113	112	0.9	110	109	0.9	70 - 130	30	
Bromobenzene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
Bromochloromethane	ND	95	106	10.9	92	90	2.2	70 - 130	30	
Bromodichloromethane	ND	103	103	0.0	99	97	2.0	70 - 130	30	
Bromoform	ND	109	109	0.0	98	97	1.0	70 - 130	30	
Bromomethane	ND	107	120	11.5	53	64	18.8	70 - 130	30	m
Carbon Disulfide	ND	117	118	0.9	96	95	1.0	70 - 130	30	
Carbon tetrachloride	ND	99	103	4.0	78	92	16.5	70 - 130	30	
Chlorobenzene	ND	111	111	0.0	109	105	3.7	70 - 130	30	
Chloroethane	ND	110	111	0.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	92	111	18.7	86	84	2.4	70 - 130	30	
Chloromethane	ND	108	116	7.1	93	102	9.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	124	122	1.6	117	114	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	106	108	1.9	108	108	0.0	70 - 130	30	
Dibromochloromethane	ND	105	107	1.9	102	99	3.0	70 - 130	30	
Dibromomethane	ND	105	103	1.9	97	97	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	115	118	2.6	97	97	0.0	70 - 130	30	
Ethylbenzene	ND	111	111	0.0	113	108	4.5	70 - 130	30	
Hexachlorobutadiene	ND	100	99	1.0	104	93	11.2	70 - 130	30	
Isopropylbenzene	ND	119	118	0.8	116	110	5.3	70 - 130	30	
m&p-Xylene	ND	115	115	0.0	115	110	4.4	70 - 130	30	
Methyl ethyl ketone	ND	87	86	1.2	51	46	10.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	105	109	3.7	117	118	0.9	70 - 130	30	
Methylene chloride	ND	110	110	0.0	109	107	1.9	70 - 130	30	
Naphthalene	ND	102	102	0.0	101	97	4.0	70 - 130	30	
n-Butylbenzene	ND	110	110	0.0	109	99	9.6	70 - 130	30	
n-Propylbenzene	ND	120	119	0.8	117	110	6.2	70 - 130	30	
o-Xylene	ND	119	119	0.0	117	113	3.5	70 - 130	30	
p-Isopropyltoluene	ND	115	113	1.8	114	106	7.3	70 - 130	30	
sec-Butylbenzene	ND	111	110	0.9	111	104	6.5	70 - 130	30	
Styrene	ND	115	114	0.9	116	112	3.5	70 - 130	30	
tert-Butylbenzene	ND	113	112	0.9	109	103	5.7	70 - 130	30	
Tetrachloroethene	ND	114	114	0.0	111	106	4.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	105	3.7	78	94	18.6	70 - 130	30	
Toluene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	121	123	1.6	115	114	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	107	4.8	104	103	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	118	9.8	105	104	1.0	70 - 130	30	
Trichloroethene	ND	119	114	4.3	106	103	2.9	70 - 130	30	
Trichlorofluoromethane	ND	105	105	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	112	115	2.6	96	95	1.0	70 - 130	30	
Vinyl chloride	ND	118	121	2.5	117	116	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	98	98	0.0	97	96	1.0	70 - 130	30	
% Bromofluorobenzene	96	98	99	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	110	105	107	1.9	83	102	20.5	70 - 130	30	
% Toluene-d8	102	102	101	1.0	102	102	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231008, QC Sample No: BD80191 (BD80734, BD80735)

Semivolatiles - Ground Water

2-Methylnaphthalene	ND	78	79	1.3				30 - 130	20	
Acenaphthene	ND	81	79	2.5				30 - 130	20	
Acenaphthylene	ND	81	81	0.0				30 - 130	20	
Anthracene	ND	82	83	1.2				30 - 130	20	
Benz(a)anthracene	ND	88	87	1.1				30 - 130	20	
Benzo(a)pyrene	ND	86	86	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	96	100	4.1				30 - 130	20	
Benzo(ghi)perylene	ND	90	90	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	97	92	5.3				30 - 130	20	
Chrysene	ND	89	89	0.0				30 - 130	20	
Dibenz(a,h)anthracene	ND	85	85	0.0				30 - 130	20	
Fluoranthene	ND	91	92	1.1				30 - 130	20	
Fluorene	ND	90	90	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	86	86	0.0				30 - 130	20	
Naphthalene	ND	85	86	1.2				30 - 130	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Phenanthrene	ND	85	85	0.0				30 - 130	20	
Pyrene	ND	90	91	1.1				30 - 130	20	
% 2-Fluorobiphenyl	86	82	81	1.2				30 - 130	20	
% Nitrobenzene-d5	94	65	67	3.0				30 - 130	20	
% Terphenyl-d14	105	100	100	0.0				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 231171, QC Sample No: BD80709 (BD80733 (200X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	104	102	1.9	97	98	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	102	1.0	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	93	2.2	99	105	5.9	70 - 130	30	
1,1,2-Trichloroethane	ND	106	105	0.9	100	102	2.0	70 - 130	30	
1,1-Dichloroethane	ND	109	108	0.9	108	107	0.9	70 - 130	30	
1,1-Dichloroethene	ND	115	114	0.9	110	113	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	102	102	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	89	3.3	58	54	7.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	97	96	1.0	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	85	3.5	69	61	12.3	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	106	103	2.9	<40	<40	NC	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	91	96	5.3	90	95	5.4	70 - 130	30	
1,2-Dibromoethane	ND	100	99	1.0	95	98	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	99	96	3.1	44	<40	NC	70 - 130	30	m
1,2-Dichloroethane	ND	91	90	1.1	88	88	0.0	70 - 130	30	
1,2-Dichloropropane	ND	107	106	0.9	104	106	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	105	102	2.9	60	56	6.9	70 - 130	30	m
1,3-Dichlorobenzene	ND	100	97	3.0	84	80	4.9	70 - 130	30	
1,3-Dichloropropane	ND	102	101	1.0	96	98	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	97	95	2.1	75	68	9.8	70 - 130	30	m
2,2-Dichloropropane	ND	97	122	22.8	96	113	16.3	70 - 130	30	
2-Chlorotoluene	ND	107	104	2.8	62	56	10.2	70 - 130	30	m
2-Hexanone	ND	74	72	2.7	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	103	2.9	75	72	4.1	70 - 130	30	
4-Chlorotoluene	ND	101	99	2.0	67	59	12.7	70 - 130	30	m
4-Methyl-2-pentanone	ND	92	94	2.2	57	68	17.6	70 - 130	30	m
Acetone	ND	77	67	13.9	49	53	7.8	70 - 130	30	l,m
Acrylonitrile	ND	99	96	3.1	95	104	9.0	70 - 130	30	
Benzene	ND	109	108	0.9	88	86	2.3	70 - 130	30	
Bromobenzene	ND	103	101	2.0	50	40	22.2	70 - 130	30	m
Bromochloromethane	ND	114	112	1.8	88	112	24.0	70 - 130	30	
Bromodichloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromoform	ND	102	101	1.0	92	96	4.3	70 - 130	30	
Bromomethane	ND	104	113	8.3	112	112	0.0	70 - 130	30	
Carbon Disulfide	ND	112	110	1.8	116	116	0.0	70 - 130	30	
Carbon tetrachloride	ND	100	100	0.0	99	100	1.0	70 - 130	30	
Chlorobenzene	ND	106	103	2.9	70	63	10.5	70 - 130	30	m
Chloroethane	ND	106	104	1.9	109	108	0.9	70 - 130	30	
Chloroform	ND	107	106	0.9	100	104	3.9	70 - 130	30	
Chloromethane	ND	105	110	4.7	107	110	2.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	116	144	21.5	104	103	1.0	70 - 130	30	l
cis-1,3-Dichloropropene	ND	100	101	1.0	91	91	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	102	102	0.0	92	95	3.2	70 - 130	30	
Dibromomethane	ND	100	100	0.0	91	93	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	116	116	0.0	114	117	2.6	70 - 130	30	
Ethylbenzene	ND	107	105	1.9	66	57	14.6	70 - 130	30	m
Hexachlorobutadiene	ND	96	91	5.3	66	67	1.5	70 - 130	30	m
Isopropylbenzene	ND	114	112	1.8	71	64	10.4	70 - 130	30	m
m&p-Xylene	ND	109	106	2.8	63	53	17.2	70 - 130	30	m
Methyl ethyl ketone	ND	71	69	2.9	46	52	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	102	2.0	111	114	2.7	70 - 130	30	
Methylene chloride	ND	104	100	3.9	111	111	0.0	70 - 130	30	
Naphthalene	ND	96	95	1.0	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	<40	<40	NC	70 - 130	30	m
n-Propylbenzene	ND	111	110	0.9	59	50	16.5	70 - 130	30	m
o-Xylene	ND	113	110	2.7	66	59	11.2	70 - 130	30	m
p-Isopropyltoluene	ND	108	105	2.8	67	62	7.8	70 - 130	30	m
sec-Butylbenzene	ND	106	105	0.9	64	59	8.1	70 - 130	30	m
Styrene	ND	108	105	2.8	<40	<40	NC	70 - 130	30	m
tert-Butylbenzene	ND	109	107	1.9	79	78	1.3	70 - 130	30	
Tetrachloroethene	ND	110	109	0.9	104	105	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	97	97	0.0	94	106	12.0	70 - 130	30	
Toluene	ND	106	105	0.9	78	73	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	115	112	2.6	111	109	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	98	3.1	91	89	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	102	7.1	78	80	2.5	70 - 130	30	
Trichloroethene	ND	119	113	5.2	103	103	0.0	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	104	102	1.9	70 - 130	30	
Trichlorotrifluoroethane	ND	111	110	0.9	113	113	0.0	70 - 130	30	
Vinyl chloride	ND	113	115	1.8	108	109	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	97	98	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	112	104	103	1.0	109	111	1.8	70 - 130	30	
% Toluene-d8	102	101	102	1.0	103	101	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231371, QC Sample No: BD80734 (BD80734 (20X) , BD80735 (40X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	84	86	2.4	86	86	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	83	82	1.2	84	82	2.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	83	84	1.2	92	91	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	89	89	0.0	89	86	3.4	70 - 130	30	
1,1-Dichloroethane	ND	85	85	0.0	88	85	3.5	70 - 130	30	
1,1-Dichloroethene	ND	81	80	1.2	85	80	6.1	70 - 130	30	
1,1-Dichloropropene	ND	80	79	1.3	78	76	2.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	86	86	0.0	85	90	5.7	70 - 130	30	
1,2,3-Trichloropropane	ND	82	84	2.4	92	91	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	83	1.2	83	86	3.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	78	80	2.5	78	76	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	82	81	1.2	88	89	1.1	70 - 130	30	
1,2-Dibromoethane	ND	87	89	2.3	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	84	85	1.2	85	84	1.2	70 - 130	30	
1,2-Dichloroethane	ND	89	87	2.3	88	86	2.3	70 - 130	30	
1,2-Dichloropropane	ND	84	85	1.2	87	85	2.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	82	84	2.4	83	81	2.4	70 - 130	30	
1,3-Dichlorobenzene	ND	84	87	3.5	85	84	1.2	70 - 130	30	
1,3-Dichloropropane	ND	83	85	2.4	90	91	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	84	86	2.4	84	83	1.2	70 - 130	30	
2,2-Dichloropropane	ND	58	57	1.7	52	52	0.0	70 - 130	30	l,m
2-Chlorotoluene	ND	87	88	1.1	85	85	0.0	70 - 130	30	
2-Hexanone	ND	85	82	3.6	89	82	8.2	70 - 130	30	
2-Isopropyltoluene	ND	84	85	1.2	85	83	2.4	70 - 130	30	
4-Chlorotoluene	ND	84	86	2.4	85	85	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	89	91	2.2	91	91	0.0	70 - 130	30	
Acetone	ND	77	77	0.0	64	56	13.3	70 - 130	30	m
Acrylonitrile	ND	87	86	1.2	89	87	2.3	70 - 130	30	
Benzene	ND	80	81	1.2	79	77	2.6	70 - 130	30	
Bromobenzene	ND	86	88	2.3	87	86	1.2	70 - 130	30	
Bromochloromethane	ND	88	86	2.3	92	88	4.4	70 - 130	30	
Bromodichloromethane	ND	86	86	0.0	87	86	1.2	70 - 130	30	
Bromoform	ND	89	91	2.2	90	89	1.1	70 - 130	30	
Bromomethane	ND	91	94	3.2	66	70	5.9	70 - 130	30	m
Carbon Disulfide	ND	71	71	0.0	90	85	5.7	70 - 130	30	
Carbon tetrachloride	ND	81	82	1.2	72	74	2.7	70 - 130	30	
Chlorobenzene	ND	85	86	1.2	86	84	2.4	70 - 130	30	
Chloroethane	ND	81	82	1.2	89	83	7.0	70 - 130	30	
Chloroform	ND	87	86	1.2	90	85	5.7	70 - 130	30	
Chloromethane	ND	82	83	1.2	89	83	7.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	86	86	0.0	90	83	8.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	82	82	0.0	80	80	0.0	70 - 130	30	
Dibromochloromethane	ND	84	85	1.2	88	89	1.1	70 - 130	30	
Dibromomethane	ND	88	88	0.0	90	87	3.4	70 - 130	30	
Dichlorodifluoromethane	ND	76	76	0.0	80	75	6.5	70 - 130	30	
Ethylbenzene	ND	79	81	2.5	83	80	3.7	70 - 130	30	
Hexachlorobutadiene	ND	75	78	3.9	76	76	0.0	70 - 130	30	
Isopropylbenzene	ND	83	86	3.6	84	81	3.6	70 - 130	30	
m&p-Xylene	ND	80	81	1.2	84	80	4.9	70 - 130	30	
Methyl ethyl ketone	ND	89	88	1.1	98	90	8.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	76	77	1.3	90	91	1.1	70 - 130	30	
Methylene chloride	ND	83	83	0.0	92	87	5.6	70 - 130	30	
Naphthalene	ND	82	81	1.2	95	89	6.5	70 - 130	30	
n-Butylbenzene	ND	82	84	2.4	80	79	1.3	70 - 130	30	
n-Propylbenzene	ND	82	85	3.6	82	80	2.5	70 - 130	30	
o-Xylene	ND	87	88	1.1	85	82	3.6	70 - 130	30	
p-Isopropyltoluene	ND	82	84	2.4	82	80	2.5	70 - 130	30	
sec-Butylbenzene	ND	81	83	2.4	83	80	3.7	70 - 130	30	
Styrene	ND	88	89	1.1	87	84	3.5	70 - 130	30	
tert-Butylbenzene	ND	84	86	2.4	83	82	1.2	70 - 130	30	
Tetrachloroethene	ND	78	79	1.3	79	78	1.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	89	0.0	96	92	4.3	70 - 130	30	
Toluene	ND	83	83	0.0	84	80	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	84	83	1.2	87	82	5.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	81	82	1.2	81	80	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	72	78	8.0	73	73	0.0	70 - 130	30	
Trichloroethene	ND	84	84	0.0	84	82	2.4	70 - 130	30	
Trichlorofluoromethane	ND	78	77	1.3	82	78	5.0	70 - 130	30	
Trichlorotrifluoroethane	ND	74	72	2.7	78	74	5.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	86	85	1.2	87	79	9.6	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	100	101	1.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	99	102	100	2.0	103	100	3.0	70 - 130	30
% Toluene-d8	101	101	102	1.0	98	99	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231017, QC Sample No: BD80840 (BD80732, BD80733)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	70	69	1.4	72	76	5.4	30 - 130	30
Acenaphthylene	ND	74	76	2.7	74	79	6.5	30 - 130	30
Anthracene	ND	76	75	1.3	76	78	2.6	30 - 130	30
Benz(a)anthracene	ND	80	76	5.1	77	81	5.1	30 - 130	30
Benzo(a)pyrene	ND	75	73	2.7	77	81	5.1	30 - 130	30
Benzo(b)fluoranthene	ND	81	84	3.6	85	93	9.0	30 - 130	30
Benzo(ghi)perylene	ND	92	90	2.2	90	88	2.2	30 - 130	30
Benzo(k)fluoranthene	ND	86	79	8.5	91	94	3.2	30 - 130	30
Chrysene	ND	75	74	1.3	93	84	10.2	30 - 130	30
Dibenz(a,h)anthracene	ND	86	86	0.0	87	89	2.3	30 - 130	30
Fluoranthene	ND	77	74	4.0	83	86	3.6	30 - 130	30
Fluorene	ND	76	77	1.3	80	83	3.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	88	86	2.3	91	88	3.4	30 - 130	30
Naphthalene	ND	77	75	2.6	78	83	6.2	30 - 130	30
Phenanthrene	ND	80	78	2.5	79	82	3.7	30 - 130	30
Pyrene	ND	75	74	1.3	85	87	2.3	30 - 130	30
% 2-Fluorobiphenyl	68	69	69	0.0	76	81	6.4	30 - 130	30
% Nitrobenzene-d5	62	61	61	0.0	63	67	6.2	30 - 130	30
% Terphenyl-d14	80	80	78	2.5	94	96	2.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 23, 2013

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	1600	210	210	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	1600	900	900	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BD80733	$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31000	50	50	ug/Kg
BD80733	$8260MAR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	50	50	ug/Kg
BD80733	$8260MAR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	190	190	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	270	270	ug/Kg
BD80733	$8260MAR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	250	250	ug/Kg
BD80733	$8260MAR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	9400	120	120	ug/Kg
BD80733	$8260MAR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	370	370	ug/Kg
BD80733	$8260MAR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	680	680	ug/Kg
BD80733	$8260MAR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3100	930	930	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Residential	ND	1600	1400	1400	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	760	760	ug/Kg
BD80733	$8260MAR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	60	60	ug/Kg
BD80733	$8260MAR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	470	470	ug/Kg
BD80733	$8260MAR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	700	700	ug/Kg
BD80733	$8260MAR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1300	1300	ug/Kg
BD80733	$8260MAR	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1000	1000	ug/Kg
BD80733	$8260MAR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	1600	3900	3900	ug/Kg
BD80733	$8260MAR	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	260	260	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	800	800	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	330	330	ug/Kg

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	330	330	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	330	330	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BD80736	$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BD80736	$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BD80736	$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BD80736	$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BD80736	$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BD80736	$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 23, 2013

SDG I.D.: GBD80732

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

4°W/ice+TP Temp Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email:

Customer: EBC
Address: 1808 Middle Country Road Ridge, NY

Project: 27-21 44th Drive
Report to: EBC
Invoice to:

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5-17-13

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP51 List	Soil Vial H2O	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
80732	B1 (5-8)	S	5-17-13		X	X		2	1	1							
80733	B2 (4-7)	S	"		"	"		2	1	1							
80734	GW1	GW	"		"	"					3	1					
80735	GW2	GW	"		"	"					3	1					
80736	Trip Blank w/ Above							1									
80737	TB Low level							2									

Relinquished by:	Accepted by:	Date:	Time:
[signature] for RS	[signature]	5-17-13	12:00
	Cparadise	5/17/13	1500

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for

27-21 44th DRIVE, 44-18 PURVES STREET
Long Island City, New York

Prepared For:

Silvercup Properties, LLC
42-22 22nd Street
Long Island City, New York 11101

Prepared By:

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

Jason Hayes, P.E., LEED AP
Associate

January 13, 2014
Langan Project No. 170281401

LANGAN

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Appendix I Sanborn Fire Insurance Maps
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Appendix L Environmental Lien Search
Appendix M Resumes

1.0 EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Silvercup Properties, LLC (the "User") for the property located at 27-21 44th Drive and 44-18 Purves Street ("Subject Property") in Queens, New York. The Subject Property occupies Tax Block 268, Lots 4, 22, and 23 in the Long Island City neighborhood of the borough of Queens. This Phase I ESA was performed in support of potential acquisition of the Subject Property.

The Subject Property is located in an urban area characterized by commercial and manufacturing buildings and vacant land on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west. The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

Based on a previous investigations conducted at the Subject Property, groundwater depth ranges from approximately 5 to 10 feet below grade surface (bgs). Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 175 feet north of the Subject Property.

This Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Practice E1527-05 and E1527-13 (Standard Practice for ESA: Phase I ESA Process), and the United States Environmental Protection Agency's (USEPA) 2006 All Appropriate Inquiry (AAI) Rule (40 CFR Part 312) now in effect. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report follows the current ASTM 1527-13 terminology. Completion of a Phase I ESA in accordance with the ASTM Practice and AAI Rule is needed to qualify for the bona fide prospective purchaser liability protections available under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a recognized environmental condition (REC).

The Phase I ESA identified the following RECs, de minimis conditions, and other environmental concerns associated with the Subject Property:

REC 1 – Historic Site Use

Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lots 22 and 23 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, Lot 22 is shown as welding and repairs with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances. Leaks, spills, or discharges of solvents, petroleum products, polychlorinated biphenyls (PCB), metals and/or other hazardous substances used at the historic facilities may have adversely impacted soil, groundwater, and/or soil vapor.

REC 2 – Documented Site Contamination

Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum volatile organic compounds (VOC) were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater. Onsite PCE groundwater concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22.

REC 3 – NYSDEC Spill and Potential On-Site Underground Storage Tank

A gasoline underground storage tank (UST) is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and previous reports indicate the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 1302045 was assigned.

REC 4 – Surrounding Property Use

Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works,

drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. Voluntary Cleanup Program and Brownfield Cleanup Program sites with documented soil and groundwater contamination were identified on surrounding properties. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Leaks, spills, or discharges of solvents, petroleum products, and/or other hazardous substances associated with surrounding property use may have adversely impacted groundwater and/or soil vapor beneath the Subject Property.

De Minimis Condition

Staining was observed on the Lot 4 building office and basement floor and the garage/warehouse walls and floor. The concrete floor slab beneath each area of staining appeared to be competent and significant subsurface impact is unlikely.

Non-ASTM Environmental Concerns

The building was constructed in the 1930s, potentially with materials that contain asbestos, lead-based paint, or polychlorinated biphenyls (PCBs). In addition, the building contained fluorescent light ballasts, which may contain PCBs.

No Historic RECs (HRECs) or Controlled RECs (CRECs) were identified.

2.0 INTRODUCTION

Langan was retained by Silvercup Properties, LLC (the "User") to prepare a Phase I Environmental Site Assessment (ESA) for the property located at 27-21 44th Drive and 44-18 Purves Street ("Subject Property") in Queens, New York. The Subject Property occupies Tax Block 268, Lots 4, 22, and 23 in the Long Island City neighborhood of the borough of Queens. This Phase I ESA was performed in support of potential acquisition of the Subject Property by Silvercup Properties, LLC.

The purpose of this ESA is to accomplish the following:

> (1) Identify Recognized Environmental Conditions (RECs) in connection with the Subject Property, as defined in The Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
>
> (2) Be consistent with the criteria of United Stated Environmental Protection Agency 40 CFR Part 312 Subpart C Standards and Practices §312.20 All Appropriate Inquiries.

2.1 Scope of the ESA

This ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-13. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-13 are noted in Section 9.0 of this report. In general, the scope of this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable information and environmental data relating to the Subject Property; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing

persons knowledgeable about the Subject Property; and conducting a site inspection. The specific scope of this assessment included the following:

1. A site reconnaissance to inspect on-site conditions and assess the Subject Property and surrounding property uses and natural surface features. Photographs taken as part of the site reconnaissance are provided in Appendix A.
2. A review of the responses to a User/Client Questionnaire. The completed Questionnaire is provided in Appendix B.
3. A review of a previous environmental report for the Subject Property. The report is provided in Appendix C.
4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distance. The environmental database report was provided by Environmental Data Resources, Inc. (EDR), and is included in Appendix D.
5. Filing of Freedom of Information Act (FOIA) requests with federal, state, and local agencies. Copies of the FOIA requests are included in Appendix E.
6. A review of New York City Department of Buildings (NYCDOB) records, zoning resolutions and a Planning Commission Zoning Map. Available NYCDOB records and the Zoning Map are included in Appendices F and G, respectively.
7. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.
8. A review and interpretation of aerial photographs, Sanborn Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and in the vicinity of the Subject Property. Copies are included in Appendices H, I, J and K, respectively.
9. A review of an Environmental Lien search for the Subject Property. A copy of the environmental lien search report is included as Appendix L.
10. A review of published radon occurrence maps to evaluate whether the Subject Property is located in an area with a propensity for elevated radon levels.

2.2 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for the User for the property at 27-21 44th Drive and 44-18 Purves Street (Tax Block 268, Lots 4, 22, and 23) in Queens, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this

report for any property other than the Subject Property addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 2.1, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in the ASTM Standard E 1527-05 and E1527-13. To the extent that ASTM 1527-13 differs in definition and terminology from ASTM 1527-05, this report follows the current ASTM 1527-13 terminology. Sampling (e.g. soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

This Phase I ESA was not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs at the Subject Property. It should be understood that even the most comprehensive Phase I ESA may fail to detect environmental liabilities at a particular Subject Property. Therefore, Langan cannot "insure" or "certify" that the Subject Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by our client, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-05 and E1527-13 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

3.0 SITE DESCRIPTION

3.1 Location and Description

The Subject Property is located at 27-21 44th Drive and 44-18 Purves Street and occupies Tax Block 268, Lots 4, 22, and 23 in Queens, New York. The Subject Property is located in the Long Island City neighborhood of the borough of Queens on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west. The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. A Site location Map is included as Figure 1. Site reconnaissance photographs are presented in Appendix A.

Based on observations of the surrounding area during the site reconnaissance, the Subject Property is located in an urban area primarily characterized by commercial and manufacturing buildings and vacant land. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

Based on a previous investigations conducted at the Subject Property groundwater depth ranges from approximately 5 to 10 feet below grade surface (bgs). Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. The New York City Metropolitan Transit Authority (MTA) M and E subway lines extend underneath Jackson Avenue approximately 175 feet north of the Subject Property.

3.2 Description of Site Improvements

Improvements at the Subject Property are summarized in the following table:

SITE IMPROVEMENTS	
Size of the Subject Property	Lot 4: 9,600 square feet; Lot 22: 2,500 square feet; Lot 23: 2,500 square feet
Buildings/Spaces/Structures	Lot 4: 1-story commercial building with warehouse/garage and full basement; Lots 22 and 23: vacant
Surface Water	Surface water is not located on the Subject Property.

SITE IMPROVEMENTS	
Potable Water Source	New York City
Sanitary and Storm Sewer Utilities	New York City
Electrical Utilities	Con Edison
Construction Completion Date	Circa 1931
General Construction Type	Brick and concrete masonry
Cooling and Ventilation System Type	Window air conditioning and ventilation fans.
Heating System Type	Wall-mounted electric heating units
Emergency Power	N/A

3.3 Title Records

Langan researched ownership records for the Subject Property at the Automated City Register Information System (ACRIS) website (http://www.nyc.gov/html/dof/html/jump/acris.shtml). Available deed information is listed in the following table:

Block 268, Lot 4		
Date	**First Party**	**Second Party**
9/14/2011	Electric Realty Company, LLC	44 LIC LLC
9/14/2011	Electric Realty Company, LLC	44 LIC LLC
2/29/2000	Eagle Electric Manufacturing	Electric Realty Company, LLC
10/8/1971	Latouraine Bickfords Foods Inc.	Eagle Electric Mfg Co Inc.
Block 268, Lot 22		
Date	**First Party**	**Second Party**
7/18/2013	4418 Purves LLC	44 LIC LLC
2/3/2010	Parisi Roth LLC	4418 Purves LLC

Block 268, Lot 22 (continued)		
Date	**First Party**	**Second Party**
11/21/2007	Purves Studios LLC	Parisi Roth LLC
7/11/2007	Purves Studios LLC	Parisi Roth LLC
3/9/2007	Purves Studios LLC	Thomson Purves, LLC
7/27/2001	Sara Garden Armstrong	Purves Studios LLC
6/16/2000	Alkeda Corp	Armstrong, Sara Garden
5/2/1998	Weiss, Kurry	Alkeda Corp
Block 268, Lot 22		
Date	**First Party**	**Second Party**
7/18/2013	4418 Purves LLC	44 LIC LLC
2/3/2010	Parisi Roth LLC	4418 Purves LLC
11/14/2007	Parisi, Dino	Parisi Roth LLC
7/11/2007	Parisi, Dino	Parisi Roth LLC
6/6/2006	Lonschein (Referee, Richard	Parisi, Dino
3/13/2001	Coleman, James	Plaza Homes LLC
9/4/1985	Coleman, Alyce M	Coleman, James W
11/29/1976	Welsh Alice Extrix Of	Alyce M Coleman
12/19/1974	Woodwhi Corporation	Alyce M Coleman

The use of the Subject Property (Lot 4) as an electric manufacturing facility between 1971 and 2011 is considered a REC.

4.0 USER PROVIDED INFORMATION

4.1 User Questionnaire and Owner/Operator Questionnaires

As per ASTM E1527-13, a questionnaire was provided to the User in order to obtain specialized User knowledge. Mark Gold, Principal with Silvercup Properties, LLC, completed the User questionnaire. Mr. Gold indicated that he is not aware of environmental leins or activity and use limitations filed against the property. Additionally, Mr. Gold is not aware of specialized knowledge about the property and believes the property reasonably represents the fair market value. Mr. Gold indicated that he is aware of past uses, chemicals present at the property, and spills and provided a previous environmental report that provided additional detail. The completed questionnaire is included in Appendix B and the previous environmental report is included in Appendix C.

An owner/operator questionnaire was provided to the owner's representative during the Phase I site reconnaissance; however, the completed questionnaire was not completed at the time this Phase I report was finalized.

4.2 Previous Environmental Reports

One previous environmental report was available for review. The report is summarized below and included in Appendix C.

October 2013, Phase II Subsurface Investigation Report, prepared by Environmental Business Consultants (ECB)

The subsurface investigation was conducted to investigate environmental conditions identified in an October 2011 Phase I ESA prepared for Lot 4 by EBC and to investigate general environmental conditions on Lots 22 and 23. The report included a brief summary of the 2011 Phase I ESA which identified previous site uses as a photo chemical warehouse, garage with a gasoline tank, paper warehouse, metal plating, welding and repairs, leather goods. These previous site uses are considered a REC because of the potential impact to soil, groundwater and/or soil vapor at the Subject Property.

The Phase II investigation included collection and analysis of soil and groundwater samples. Observations and laboratory results are summarized by media type below.

- Soil – Petroleum staining and odor was identified in the vicinity of the underground tanks on southwestern side of Lot 4. Field screening with a photoionization detector (PID) found readings up to 300 ppm. Additionally, elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within one soil sample collected adjacent to the tanks; however, only n-propylbenzene was reported above New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (SCOs). Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned. Soil samples collected on lots 22 and 23 identified detections of chlorinated VOCs; however, chlorinated concentrations were below New York State's unrestricted use SCOs. Metals were not analyzed as part of this investigation.
- Groundwater – Chlorinated VOCs were identified in groundwater above New York State groundwater standards. Onsite PCE concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22. Additionally, several petroleum VOCs and SOVCs were identified above New York State groundwater standards in the vicinity of the tanks in Lot 4.

Documented soil and groundwater exceedances of New York State standards are considered a REC.

5.0 ENVIRONMENTAL RECORDS

A regulatory database search was provided by EDR and is included in Appendix C. The EDR report provides a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM E1527-13. Langan reviewed each environmental database on a record-by-record basis to evaluate whether the sites identified represent a potential for environmental impact to the Subject Property. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped due to inadequate address information. Any Orphan Sites that were identified by Langan within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in the discussion below.

The following table lists the number of sites identified in standard and additional environmental record databases, within the prescribed search radius and appearing in the EDR Report.

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
USEPA DATABASES			
National Priorities List (NPL)	1 Mile Radius	No	0
Delisted NPL	1/2 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS-NFRAP	1/2 Mile Radius	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (7/11/2013)	1 Mile Radius	No	3
RCRA Treatment, Storage, and Disposal Facilities (TSDF)	1/2 Mile Radius	No	0
RCRA Generators (7/11/2013)	Subject Property and Adjoining	No	0
FINDS	Subject Property	No	0
Environmental Response Notification System (ERNS)	Subject Property	No	0

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
Engineering Controls (EC) Sites Lists	Subject Property	No	0
Institutional Controls (IC) Sites Lists	Subject Property	No	0
NYSDEC DATABASES			
Hazardous Waste Disposal Sites (SHWS) (11/13/2013)	1 Mile Radius	No	14
Hazardous Substance Waste Disposal Site Inventory (HSWDS)	1/2 Mile Radius	No	0
Solid Waste or Landfill Facilities (SWF/LF) (10/8/2013)	1/2 Mile Radius	No	2
Leaking Storage Tanks (LTANKS) (9/25/2013)	1/2 Mile Radius	No	45
SPILLS Information Database (NY SPILLS) (9/25/2013)	1/8 Mile Radius	No	17
EC Sites Lists	Subject Property	No	0
IC Sites Lists	Subject Property	No	0
NY Voluntary Cleanup Program (VCP) (11/13/2013)	1/2 Mile Radius	No	3
Brownfields (11/13/2013)	1/2 Mile Radius	No	2
Solid Waste Disposal Sites Registered Recycling Facility List (SWRCY)	1/2 Mile Radius	No	0
Chemical Bulk Storage (CBS) Underground storage tank (UST) and aboveground storage tanks (AST) Databases	Subject Property and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases	Subject Property and Adjoining	No	0
Registered and Historical Drycleaners (DRYCLEANERS) (10/17/2013)	1/4 Mile Radius	No	1
Petroleum Bulk Storage Facilities (PBS) UST and AST Databases	Subject Property and Adjoining	Yes	0
EDR (PROPRIETARY) DATABASES			
EDR Former Manufactured Gas Plant (MGP) Sites	1 Mile Radius (N/A)	No	0

N/A Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM E1527-13.

A description of the reviewed databases is provided in the EDR Report (Appendix D). A summary of sites identified within the prescribed search area is presented below:

5.1 Federal Agency Database Findings

No NPL, Delisted NPL, CERCLIS and CERCLIS-NFRAP, RCRA Generators, RCRA TSDF, EC, IC, FINDS or ERNS sites were listed within their respective minimum search distances as specified by ASTM E1527-13. Information regarding other sites located on the Federal Agency database within the search radius of the Subject Property is provided below.

CORRACTS

CORRACTS is a list of handlers with RCRA Corrective Action Activity. Three CORRACTS sites were identified within the search criteria. Based on distance from the Subject Property (over 3,000 feet), the sites are not considered RECs.

5.2 State Agency Database Findings

No HSDWS, SWRCY, EC, IC, PBS UST and AST, CBS UST and AST, or MOSF listings were identified within their respective minimum search distances as specified by ASTM E1527-13. Information regarding other sites located on State agency databases within the search radius of the Subject Property is provided below.

SHWS

The State Hazardous Waste Sites (SHWS) records are states' equivalent to CERCLIS. The SHWS database in maintained by the NYSDEC. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup will be paid for by potentially responsible parties. Fourteen sites within one mile of the Subject Property were identified on the SHWS list; however, all sites are located more than 1,700 feet from the Subject Property and are not considered RECs.

Solid Waste or Landfill Facilities

The Solid Waste Facilities/Landfill (SWF/LF) database is an inventor of solid waste disposal facilities or landfills in a particular state. The Subject Property was not included in the SWF/LF database. Two SWF/LF facilities were identified within a ½-mile radius; however, they are located more than 1,800 feet from the Subject Property and are not considered RECs.

Leaking Storage Tanks Database

The Leaking Storage Tanks (LTANKS) database contains an inventory of reported leaking storage tank incidents, including leaking USTs and ASTs. The primary causes of the LTANK

incidents include tank test failures, tank failures, and tank overfills. As per ASTM E1527-13, the approximate minimum search distance required for LTANK incidents is within ½ mile of the Subject Property. The Subject Property was not listed in the LTANK/HIST LTANK database; however, 45 LTANK incidents were identified at other properties within a ½-mile radius. Forty-three of the LTANK incidents are closed. One of open incidents is located more than 2,300 feet from the Subject Property and is not considered a REC. The remaining open incident is described below:

Site Name: Court Plaza

Site Address: 5 Court Square

Location: Approximately 650 feet west of the Subject Property

Description: Spill No. 1000528 was reported on April 13, 2010. A 2,000-gallon #2 fuel oil tank failed a tank test after oil was observed on water in subway tunnel directly underneath the site. Based on its close proximity to the Subject Property, this open LTANK incident is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Spills Database

The Spills database, maintained and updated by NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC. The Subject Property was not listed in the Spills database within the EDR report; however, a search of the online database identified an open spill at the Subject Property.

Site Name: Vacant Business Place

Site Address: 27-21 44th Place

Location: Subject Property

Description: Spill No. 1302045 was reported on May 29, 2013. The spill indicated an unknown amount of gasoline that affected soil and groundwater. The spill has not been closed. Based on the impact to soil and groundwater at the Subject Property, this spill is considered a REC.

Seventeen spills were identified within 1/8 mile of the Subject Property. Sixteen of the Spills incidents are closed. The remaining open incident is described below:

Site Name: Gasgo

Site Address: 27-01 Jackson Avenue

Location: Approximately 400 feet north of the Subject Property

Description: Spill No. 9913082 was reported on February 16, 2000 when contaminated soil was discovered during removal of ten underground storage tanks. Contaminated soil (698 tons) was removed and the spill was closed by NYSDEC. In May 2013, additional information was identified that indicated the potential for off-site migration of petroleum contamination that was unknown at the time of the spill closure. The spill number was reopened and remains open at the time this Phase I ESA was finalized. This incident is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

VCP

Voluntary Cleanup Agreements Program uses private monies to get contaminated sites remediated to levels allowing the sites' productive use. The Subject Property was not listed in the VCP database; however, three VCP sites were identified within the search criteria. Of the three site, two of the sites are located more than 1,600 feet from the Subject Property and are not considered RECs. The remaining VCP site is described below:

Site Name: Outlet City, Queens Blvd & Jackson Ave

Site Address: Queens Blvd & Jackson Ave

Location: Approximately 1,400 feet northeast of the Subject Property

Description: The 2.5- acre site is located on Jackson Avenue between Orchard Street to the east, Queens Boulevard to the west, and the Long Island Railroad yard to the south. The site is contaminated with creosote, petroleum, and solvents. Total VOCs were detected in groundwater up to 30,000 ppb. Creosote in the form of both light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) are present at the site. Based on the documented soil and groundwater contamination at this site and its proximity to the Subject Property, this site is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Brownfields

The Brownfields database is a list of contaminated sites enrolled in the New York State Brownfield Cleanup Program. The Subject Property was not listed in the Brownfields database. Two properties were identified in the database; however, one of the sites is located more than 2,400 feet from the Subject Property and is not considered a REC. The remaining Brownfield site is described below:

Site Name: Queens Plaza Residential Development

Site Address: 28-10 Jackson Avenue

Location: Approximately 1,000 feet east of the Subject Property

Description: The 0.5- acre site (a portion of the Outlet City development described in the VCP section above) had a release of approximately 5,000-gallons of creosote with extensive soil and groundwater contamination that includes the presence of LNAPL and residual DNAPL. This site is considered a REC as the release may have impacted soil vapor or groundwater at the Subject Property.

Drycleaners

The NY Dry Cleaners database includes registered dry cleaning facilities in the State of New York. The Subject Property was not included in the NY DRYCLEANERS list; however, one NY Dry Cleaner was identified within 1/4-mile of the Subject Property and is described below:

Site Name: Top Star Fabricare

Site Address: 43-43 Queens Street

Location: Approximately 660 feet east of the Subject Property.

Description: No additional information was provided. Due to the lack of information and the close proximity to the Subject Property, the drycleaner is considered a REC as the potential leaks or spills of petroleum products, solvents and/or other hazardous materials typically found at these facilities may have adversely impacted groundwater and/or soil vapor at the Subject Property.

5.3 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted during the week of December 3, 2013 to the following federal, state, and local agencies via written correspondence:

- New York City Department of Environmental Protection (NYCDEP);
- New York City Department of Health (NYCDOH);
- New York City Fire Department (FDNY);
- New York State Department of Health (NYSDOH);
- NYSDEC; and

- USEPA, Region 2.

Responses have not yet been received. Should future responses alter the conclusions of this Phase I ESA, an addendum will be issued. Copies of the FOIA requests are included in Appendix E.

NYCDOB

Langan conducted a records search through the NYCDOB online query system on December 5, 2013. Copies of the NYCDOB property profile and COs are included in Appendix F. The following is a summary of findings.

Lot 4

Lot 4 has a Department of Finance classification of G2- Garage/Gas Station. A records search identified one building on the lot and the Certificate of Occupancy (CO) documents a one story garage and Buick factory. There are no open Environmental Control Board (ECB) violations related to the Subject Property. The classification of the Subject Property as a Garage/Gas Station is considered a REC.

Lot 22

The Subject Property has a Department of Finance classification of V1-Vacant Land. Certificate of Occupancy (CO) documents issued in 1957 indicates a one story factory and office building with cellar and boiler room. Boiler records indicate one boiler; however, the year of installation is unknown. There are no open Environmental Control Board (ECB) violations related to the Subject Property.

Lot 23

NYCDOB property profile was not found for this block/lot.

Zoning Department

According to the New York City Planning Commission Zoning Map 9b, the Subject Property is located in a M1-5/R9 manufacturing district. According to the zoning map and the list of City Environmental Quality Review Environmental Designations available on the New York City Department of City Planning website, the Subject Property is not listed with a restrictive E-Designation. A copy of the zoning map is provided in Appendix G.

5.4 Physical Setting Sources

5.4.1 Topography

The Subject Property is at an elevation of approximately 14 feet NGVD 1929, based on the USGS 7.5-series, Brooklyn, NY-NJ Topographic Quadrangle map, dated 1995. The sidewalk elevation along Purves Street (east side of Subject Property) is approximately el 8 (Queens Highway Datum). The sidewalk elevation along 44th Drive (west side of Subject Property) is approximately 15 feet higher than the sidewalk elevation along Purves Street.

5.4.2 Geology

Geological surface features (e.g., rock outcroppings) were not observed at the Subject Property. Based on a review of the Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York and Parts of Bergen and Hudson Counties New Jersey, by Charles A. Baskerville (1994), the Site is underlain by bedrock of the Cambrian-Ordovician Hartland formation, which consists of inter-bedded mica schist, gneiss, and amphibolite. According to a geotechnical investigation conducted by Langan in the area, depth to bedrock is approximately 50 to 70 ft bgs. The general subsurface condition of the site consists of about 10 ft of fill, underlain by medium well graded sand with various amounts of silt, cobbles, and boulders, to the top of bedrock.

5.4.3 Hydrology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flow towards areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeological network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, utilities, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks. Based on a previous investigations conducted at the Subject Property groundwater depth ranges from approximately 5 to 10 feet bgs. Based on topography, regional groundwater flow is inferred to be to the west to southwest towards the East River. MTA subway tunnels border the Subject Property to the north underneath Jackson Avenue. The tunnels may provide a hydraulic barrier to groundwater flow originating north of the Subject Property.

Groundwater in New York City is not used as a potable water source. Potable water provided to the City of New York is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

5.5 Historical Use Information

Langan reviewed available historic resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1889 to 2011. Findings of the review are presented below.

5.5.1 Aerial Photographs

Langan reviewed aerial photographs of the Subject Property and surrounding areas for the years 1924, 1941, 1954, 1966, 1975, 1984, 1994-1995, 2006, 2008 – 2009, and 2011. The photographs indicate that the Subject Property has been located in a densely developed urban area and improved with a multiple-story building on Lot 22 since at least 1924. The 1941 map indicates the Subject Property is improved with one-story buildings on Lots 4 and 22. The 2008 photograph does not show the Subject Property. The building on Lot 22 is no longer identified in the 2009 photograph. Surrounding properties have been generally occupied by multiple-story buildings. The review of the aerial photographs did not reveal evidence of RECs. Copies of aerial photographs are included in Appendix H.

5.5.2 Sanborn Fire Insurance Maps

Langan reviewed Sanborn Maps for the Subject Property for the years 1889, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988, 1989, 1990-1996, 1999, and 2001-2006. Sanborn Maps constitute a database of prior uses of real property for many cities and towns in the United States. Copies of the maps are provided in Appendix I. A summary of the Sanborn Maps is presented on the following table.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1889	**Subject Property:** The Subject Property is located on the block identified as 194 and contains six lots; one contains a two-story residential building with basement. **Surrounding Area:** Surrounding properties are primarily multiple-story residential and commercial buildings, including material junk yards and the County Court House. The following REC was identified: • A garage is located at 15 Purves Street, approximately 50 feet east of the Subject Property.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1915	**Subject Property:** The Subject Property contains a total of three lots; one contains a two-story residential building with basement. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings including the County Court House, the Manhattan Steam Bakery, and American Express Co.. The following REC was identified: • A N.Y. Substation is located at the adjoining property to the east of the Subject Property.
1936	**Subject Property:** The Subject Property is on the block identified as Block 268 and is depicted as a garage with a gasoline tank (Lot 4) and a controller manufacturing facility (Lot 22). The two-story residential building is no longer shown on Lot 23. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings. The following RECs were identified: • A N.Y. Substation is located at the adjoining property to the east of the Subject Property; • A filling station with four gasoline tanks is located at the adjoining property to the west of the Subject Property; • An iron works is located at 44-12 Purves Street, approximately 40 feet north of the Subject Property; • A garage with a gasoline tank is located at 44-33 Purves Street, approximately 100 feet east of the Subject Property; • A garage with a gasoline tank is located at 26-36 Jackson Avenue, approximately150 feet northeast of the Subject Property; • A gasoline tank is located at 44-25 Purves Street; approximately 75 feet east of the Subject Property; • A manufacturer of bottles is located at 28-31 Thomson Avenue, approximately 150 feet south of the Subject Property; • A laundry facility is located at 27-01 Jackson Avenue, approximately 225 feet northeast of the Subject Property; • A printing facility is located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1947	**Subject Property:** The Subject Property is depicted as paper warehouse (Lot 4) and a controller manufacturing facility (Lot 22), a building identified as "stage" is located on Lot 23. Lot 4 is also identified as a photo chemical warehouse. **Surrounding Area:** Surrounding properties are primarily multiple-story residential office, and commercial buildings. The following RECs were identified: • An iron works is located at the adjoining property to the east of the Subject Property; • A filling station with four gasoline tanks is located at the adjoining property to the west of the Subject Property; • A chemical lab is located at the adjoining property south of the Subject Property; • A contractors yard with two gasoline tanks is located at the adjoining property to the south of the Subject Property; • A contractors yard with a gasoline tank is located at 44-17 Purves Street, approximately 50 feet east of the Subject Property; • A manufacturer of welding equipment is located at 26-26 Jackson Avenue, approximately 100 feet northeast of the Subject Property; • A manufacturer of printing inks is located at 44-23 Purves Street, approximately 50 feet east of the Subject Property; • A garage and disinfectant warehouse is located at 43-30 Dutch Kills, approximately 150 feet east of the Subject Property;
1950	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** Surrounding properties are generally unchanged.
1970	**Subject Property:** The Subject Property contains a building depicted as commercial/manufacturing (Lot 4), a multi-story welding facility (Lot 22) and a vacant lot (Lot 23). Lot 23 is now depicted as a portion of a larger lot. **Surrounding Area:** The surrounding area remains primarily unchanged, the northern adjoining properties are now depicted as a junk yard and parking, the southern adjoining property is now a paper facility and no longer contains gasoline tanks. The following REC was identified: • A filling station is located at 27-01 Jackson Avenue, approximately 320 feet northeast of the Subject Property;
1977,1979	**Subject Property:** The Subject Property is unchanged with the exception of Lot 4 is now depicted as an auto body shop. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the chemical lab located at the adjoining property to the south is now an auto repair shop.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1980, 1985, 1986	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the filling station with four gasoline tanks located at the adjoining property to the west is now depicted as an auto repair and parking facility and no longer contains the tanks.
1988-1996	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of Eagle Electric Manufacturing Company located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property. The junk yard located on the adjoining property to the north is no longer labeled.
1999	**Subject Property:** The Subject Property is unchanged. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the adjoining property to the north is now depicted as a warehouse and an oil burner utility company is located at 44-39 Purves Street, approximately 140 feet southeast of the Subject Property.
2001-2006	**Subject Property:** The Subject Property is unchanged with the exception of Lot 23 is now labeled as storage. **Surrounding Area:** The surrounding area remains primarily unchanged with the exception of the gasoline tank located at 44-17 Purves Street is no longer shown.

Langan's Sanborn Map review revealed that the Subject Property was developed with a two-story residential building with a basement as early as 1889. In 1936, the Subject Property included a garage with gasoline tank (Lot 4) and a manufacturer of controllers (Lot 22). Between 1947 and 1950 Lot 4 was a paper warehouse and photo chemical warehouse. Lot 22 has been a welding and repair facility since 1970. Lot 4 has been an auto body shop since 1977. Lot 23 has been a storage facility since 2001. The use of the Subject Property as a garage, manufacturer, photochemical warehouse, and auto body shop are considered RECs. Potential spills or leaks of petroleum products, solvents, or other hazardous substances at the above facilities may have adversely impacted groundwater and/or soil at the Subject Property. Surrounding properties have been primarily occupied by manufacturing, commercial, residential and office buildings.

The following RECs were identified on surrounding properties:

- Gasoline storage was located at the following properties:
    - 27-17 Thomson Avenue from 1936 to 1979;
    - 44-33 Purves Street, approximately 100 feet east of the Subject Property since 1936;
    - 44-25 Purves Street, approximately 75 feet east of the Subject Property in 1936;

  - 26-36 Jackson Avenue, approximately 150 feet northeast of the Subject Property in 1936;
  - 28-11 Thomson Avenue (adjoining property to the south) from 1947 to 1950;
  - 44-17 Purves Street, approximately 50 feet east of the Subject Property in 1947 to 1999;
  - 27-01 Jackson Avenue, approximately 320 feet northeast of the Subject Property since 1970.
- A N.Y. Substation was located at 44-13 Purves Street (adjoining property to the east) between 1915 and 1936;
- A printing facility was located at 27-12 Thomson Avenue, approximately 150 feet southwest of the Subject Property in 1936;
- Iron works were located at the following properties:
  - 44-12 Purves Street, approximately 40 feet north of the Subject Property in 1936;
  - 44-19 Purves Street (adjoining property to the east) between 1947 and 1950
- A laundry facility was located at 27-01 Jackson Avenue, approximately 225 feet northeast of the Subject Property in 1936;
- A chemical lab was located at 27-33 44th Drive (adjoining property to the south) from 1947 to 1970;
- An oil burning utility company was located at 44-39 Purves Street, approximately 150 feet southeast since 1999;
- Manufacturing facilities were located at the following properties:
  - 28-31 Jackson Avenue, approximately 150 feet south of the Subject Property in 1936;
  - 26-26 Jackson Avenue, approximately 100 feet northeast of the Subject Property;
  - 44-23 Purves Street, approximately 50 feet east of the Subject Property, from 1947 to 1999;
- Garages/Auto Repair facilities were located at the following properties:
  - 15 Purves Street, approximately 50 feet east the Subject Property in 1989
  - 43-30 Dutch Kills, approximately 150 feet east of the Subject Property in 1947;
  - 27-33 44th Drive (adjoining property to the south) from 1977;
  - 27-17 Thomson Avenue (adjoining property to the west) from 1980.

5.5.3 Historical USGS Topographic Quadrangles

Langan reviewed historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Subject Property. Quadrangle maps were available for the Subject

Property for the years 1897, 1900, 1924, 1947, 1956, 1966, 1967, 1979, and 1995. Based on a review of the historic topographic maps, the Subject Property was developed within a densely developed urban area as early as 1897. The Dutch Kills Creek is located approximately 1,300 feet southeast of the Subject Property and the East River is located approximately 4,250 feet west of the Subject Property. The Long Island Railroad tracks are located approximately 300 feet southeast of the Subject Property. The review of historic topographic maps did not reveal evidence of RECs. Copies of the topographic maps are provided in Appendix J.

5.5.4 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1922 through 2013. A copy of the City Directory Abstract is provided in Appendix K. The Subject Property was listed in the directory for several commercial businesses including an auto repair, garage, professional boxing and car rental facilities between 1934 and 2013.

Surrounding property listings included various commercial and manufacturing businesses. An unidentified factory was listed at 44-19 Purves Street (adjoining property to the east) in 1945. A cleaning facility was listed at 44-24 Purves Street (adjoining property to the south) in 1934. . Based on the proximity of the facility to the Subject Property, the historical use as a cleaning facility constitutes a REC.

5.5.5 Environmental Lien Search

Langan contracted EDR to conduct an Environmental Lien search for the Subject Property. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AUL) associated with the Subject Property. A copy of the Environmental Lien Search is provided in Appendix L.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

The Site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to the adjoining and surrounding properties. The assessment of the adjoining and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures.

6.1.1 Date and Time of Inspection

The Site reconnaissance was performed at 7:30 am on December 10, 2013 by Jessica Alzamora of Langan. The weather at the time of the initial inspection is described as snowing and approximately 30°F. Ms. Alzamora was accompanied during the Site reconnaissance by Adam Jolly, a representative of the site owner.

6.2 General Site Setting and Reconnaissance Observations

The approximately 14,145 square-foot Subject Property is developed with a one-story commercial building with garage/warehouse space on Lot 4. Lots 22 and 23 are vacant with no observable improvements. The sidewalk elevation along 44th Drive (western entrance of the building) was observed to be approximately 15 feet higher than the sidewalk elevation along Purves Street (eastern site boundary).

The building was vacant at the time of the inspection and in poor condition. Several areas of the building were observed to have deteriorated flooring, walls, and ceilings, including a loft located on the north side of the building, which was inaccessible due to deteriorated flooring. The roof was also inaccessible at the time of the inspection.

The basement was approximately 15 feet tall and had painted brick walls, fluorescent lighting and concrete floors. Wall-mounted, electric heating units, window fans and air-conditioning units were observed in the building. Portions of the concrete flooring appeared to be in poor condition. Approximately ten one-gallon paint containers, one five-gallon container of cement, and five one-quart containers of enamel and cleaners were observed at the time of the inspection. Staining was observed on the concrete flooring in the vicinity of the containers, however the concrete appeared to be in good condition at these location. Floor drains were not

observed. A water heater and a broken water pipe were leaking along the southern wall of the basement. An out-of-service coal boiler was identified in the basement near the northern wall.

The first floor of the building contains a lobby area and office. Finishing materials include 12-inch by 12-inch floor tiles and carpet, painted brick walls with wood panels, and drop ceilings with fluorescent lighting. There was debris throughout the office building.

The loft and roof were not accessible at the time of the inspection. The loft flooring was in poor condition with visible deterioration. A review of aerial photographs of the building indicates the roof is coated with a tar compound and contains two units located on the north side of the building and a skylight.

Pits, Ponds, Lagoons

Langan did not observe pits, ponds, or lagoons on the Subject Property.

Pools of Liquid

Liquid was observed in the basement of the building due to a broken water pipe. The water is seen to drain to a nearby room that was full of debris and the flooring was not visible.

Storm Drains, Wells, and Cisterns

Storm drains, wells, and cisterns were not observed at the Subject Property.

Polychlorinated Biphenyl (PCB) Transformers and Suspect Equipment

Fluorescent lighting ballasts observed throughout the Subject Property may contain PCBs. Other suspect PCB-containing equipment was not observed.

Storage Containers, Drums, and Chemical Storage Areas

Approximately ten one-gallon paint containers, one five-gallon container of cement, and five one-quart containers of enamel and cleaners were observed in the basement. Staining was observed on the concrete flooring in the vicinity of the containers, however the concrete appeared to be in good condition.

Air Emissions or Wastewater Discharges

Air emissions or wastewater discharges were not observed on the Subject Property.

Sumps

A sump was observed in the basement of the building. No staining was observed in the location of the sump.

USTs or ASTs

USTs or ASTs were not observed at the Subject Property, however, a patch of concrete and evidence of previous environmental borings were observed in the area where a potential UST is presumed to be located near the western wall of the basement.

Monitoring Wells or Remedial Activities

Several monitoring wells were observed at the Subject Property, five of wells were installed by Langan as part of the concurrent environmental investigation, and two from previous investigation work at the Subject Property.

Stained or Discolored Soil

Stained or discolored soil was not observed at the Subject Property.

Leachate or Seeps

Leachate or seeps were not observed at the Subject Property.

Adjoining and Surrounding Property Uses

The Subject Property is adjoined by Purves Street followed by a two-story commercial building identified as "Sculpture Center" to the east; vacant lots to the south; 44th Drive followed by a one-story garage identified as "Global Auto Electric d/b/a Manny Auto Electric" to the west; and a two-story commercial building identified as "JME Enterprises, Inc." and "L.I.C Auto Repair" and a one-story commercial building identified as "Queens Plaza Automotive Warehouse" to the north. An active filling station was identified at the northeast corner of the intersection of 43rd Avenue and Jackson Avenue, approximately 275 feet northeast of the Subject Property. The surrounding area is primarily comprised of multiple-story retail, commercial, manufacturing, and vacant land.

Site Reconnaissance Conclusions

The following REC was identified on the Subject Property:

- UST – A suspect gasoline UST is located near the west wall in the basement of the building. Leaks or spill of petroleum products associated with the UST has the potential to adversely impact groundwater and/or soil vapor at the Subject Property.

The following RECs were identified on surrounding properties:

- Auto repair facilities identified as "JME Enterprises, Inc." /"L.I.C Auto Repair" and "Queens Plaza Automotive Warehouse" adjoin the property to the north;
- A filling station was observed at 27-19 43rd Avenue, approximately 275 feet of the Subject Property.

Based on the close proximity to the Subject Property, these facilities have the potential to adversely impact groundwater and/or soil vapor at the Subject Property and are considered RECs.

The following are considered additional (non-ASTM) environmental concerns:

- Based on the ages of the building, ACM, LBP, and PCB may be present in building materials;
- Water infiltration observed in the building creates the potential for mold growth

The following are considered de minimis conditions:

- Staining was observed on the concrete floor in the first floor office and garage/warehouse and near the east entrance in the basement; however, the concrete in these locations appeared to be in good condition. The staining is therefore considered a de minimis condition.

7.0 INTERVIEWS

7.1 Site Owner/ User

A owner questionnaire was provided to Adam Joly, a representative of the site owner, during the site reconnaissance on December 10, 2013. The questionnaire was not completed by the time this report was finalized.

A User questionnaire was provided to Mark Gold, Principle of Silvercup Properties, LLC. The completed questionnaire was received on December 31, 2013 and is discussed in further detail in Section 4.1. The completed questionnaire is included in Appendix B.

7.2 Site Occupants

The Subject Property is currently vacant.

7.3 Owners/Tenants of Adjacent Properties

Owners/tenants of adjacent properties were not interviewed as part of this Phase I ESA.

8.0 ADDITIONAL SERVICES

8.1 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

According to the USEPA radon map, Queens is considered a Zone 3 area, which indicates the predicted average indoor radon levels are less than 2 picoCuries per liter (pCi/L). The NYSDOH maintains a database of radon test results on a local and county level. According to the NYSDOH, a total of 413 radon tests have been conducted in New York County with results indicating that 0.3 % of living areas and 3% of basements have radon concentrations above 4 pCi/L, the USEPA action level. According to the NY Radon database as reported in the EDR Radius Map Report, a total of 81 radon tests have been conducted in Queens County with an average radon level of 0.6205 pCi/L for living area and 0.970 pCi/L for basement. Based on this data, it is unlikely that elevated levels of radon gas are present at the Subject Property.

8.2 Asbestos-Containing Material, Lead-Based Paint, and PCBs

A formal survey to identify ACM, LBP and/or PCB-containing material was not conducted as part of this Phase I ESA. The building was constructed in the 1930s, potentially with building materials that contain ACM, LBP, or PCBs. In addition, the building contained fluorescent light ballasts, which can contain PCBs. These materials should be identified and handled appropriately prior to any demolition or renovation activities at the Subject Property.

9.0 DEVIATIONS AND DATA GAPS

9.1 Deviations

Langan has performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E 1527-05 and E1527-13. Significant deviations were not made to the above referenced standards.

9.2 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to ASTM E 1527-13, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion."

This Phase I ESA was completed without data gaps, with the exception that responses to all FOIA requests have not been and interviews with the site owner and adjacent property owners were not conducted. Sufficient information has been provided from other data sources to render conclusions regarding the presence of RECs at the Subject Property. As such, this data gap is not expected to impact the overall conclusions of the Phase I. Should additional information provided in the FOIA responses alter the conclusions of this Phase I ESA, we will issue an addendum to this report.

10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was conducted in accordance with the ASTM Practice E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a REC.

The Phase I ESA identified the following RECs, de minimis conditions, and other environmental concerns associated with the Subject Property:

REC 1 – Historic Site Use

Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lots 22 and 23 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, Lot 22 is shown as welding and repairs with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances. Leaks, spills, or discharges of solvents, petroleum products, polychlorinated biphenyls (PCB), metals and/or other hazardous substances used at the historic facilities may have adversely impacted soil, groundwater, and/or soil vapor.

REC 2 – Documented Site Contamination

Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum volatile organic compounds (VOC) were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater. Onsite PCE groundwater concentrations ranged from non-detect along the southwestern portion of the site to 950 µg/L at a monitoring well in the northeastern portion of Lot 22. Onsite TCE concentrations ranged from non-detect along the southwestern portion of the site to 150 µg/L in the northeastern portion of Lot 22.

REC 3 – NYSDEC Spill and Potential On-Site Underground Storage Tank

A gasoline underground storage tank (UST) is potentially located in the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and previous reports indicate the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and

elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum volatile organic compounds (VOCs) were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 1302045 was assigned.

REC 4 – Surrounding Property Use

Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works, drycleaners, a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the Subject Properties. Voluntary Cleanup Program and Brownfield Cleanup Program sites with documented soil and groundwater contamination were identified on surrounding properties. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring. Leaks, spills, or discharges of solvents, petroleum products, and/or other hazardous substances associated with surrounding property use may have adversely impacted groundwater and/or soil vapor beneath the Subject Property.

De Minimis Condition

Staining was observed on the Lot 4 building office and basement floor and the garage/warehouse walls and floor. The concrete floor slab beneath each area of staining appeared to be competent and significant subsurface impact is unlikely.

Non-ASTM Environmental Concerns

The building was constructed in the 1930s, potentially with materials that contain asbestos, lead-based paint, or polychlorinated biphenyls (PCBs). In addition, the building contained fluorescent light ballasts, which may contain PCBs.

No Historic RECs (HRECs) or Controlled RECs (CRECs) were identified.

11.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

(1) Environmental Data Resources, Inc. December 2, 2013. Aerial Photo Decade Package.

(2) Environmental Data Resources, Inc. December 2, 2013. City Directory Abstract.

(3) Environmental Data Resources, Inc. December 9, 2013. Environmental Lien Search.

(4) Environmental Data Resources, Inc. December 2, 2013. Historical Topographic Map Report.

(5) Environmental Data Resources, Inc. December 2, 2013. Radius Map with GeoCheck.

(6) Environmental Data Resources, Inc. December 2, 2013. Sanborn Map Report.

(7) Environmental Protection Agency, USEPA Map of Radon Zones

(8) New York City Department of Buildings, Building Information System, http://www.nyc.gov/html/dob/html/bis/bis.shtml, retrieved December 5, 2013.

(9) New York City Planning Commission. Zoning Map 9b.

(10) City Online Register, http://www.nyc.gov/html/dof/html/jump/acris.shtml, retrieved December 5, 2013.

(11) NYCityMap, http://gis.nyc.gov/doitt/nycitymap/

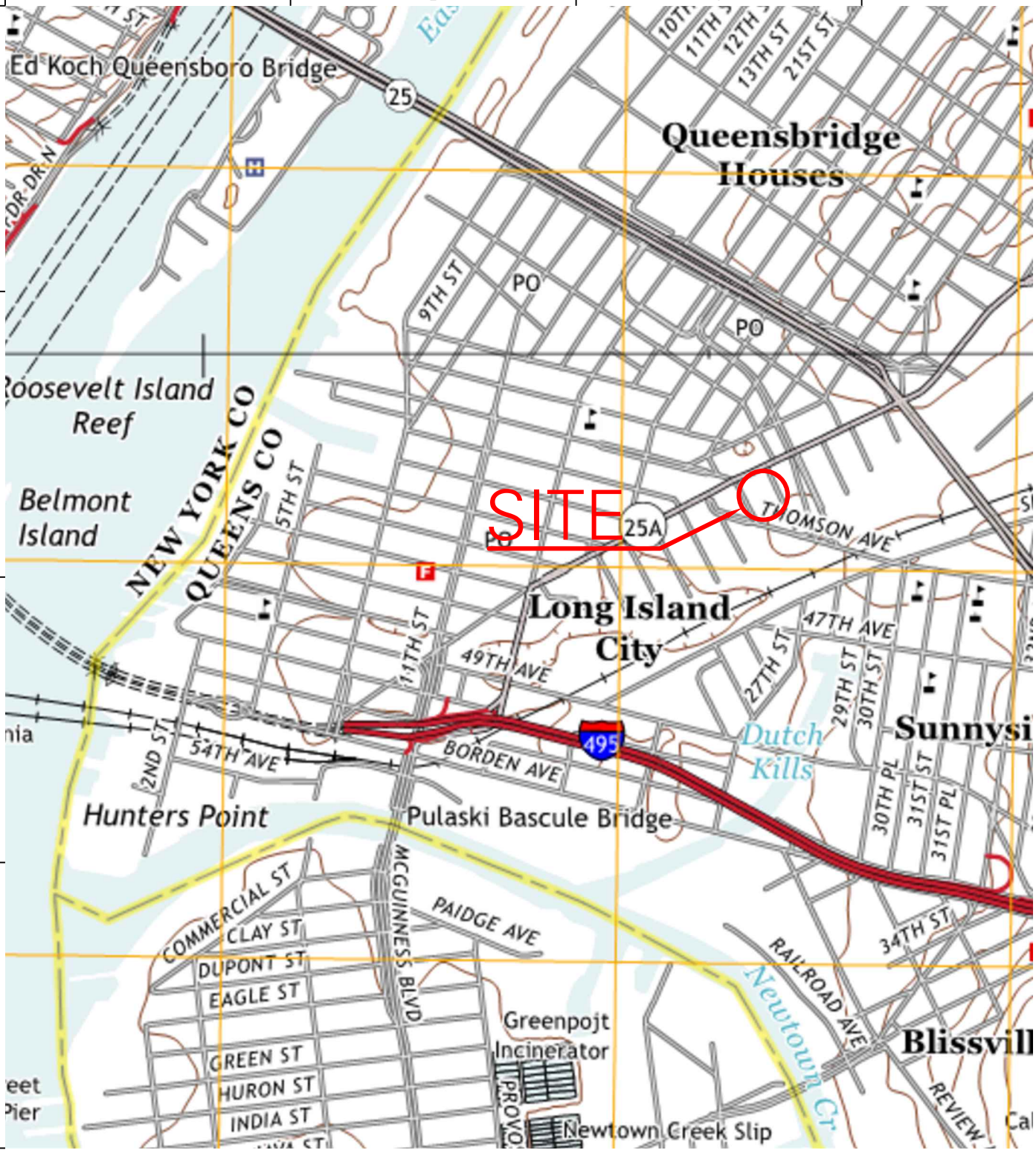
12.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES

Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Properties. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix L.

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Jason Hayes, P.E., LEED AP
Associate

FIGURES



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

NOTE: BASE MAP FROM USGS "BROOKLYN QUADRANGLE" 7.5-MINUTE SERIES QUADRANGLE MAP, DATED JULY 2007.

LANGAN

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

Project	27-21 44TH DRIVE, 44-18 PURVES STREET BLOCK No. 268, LOT Nos. 4, 22, 23 QUEENS NEW YORK
Drawing Title	SITE LOCATION PLAN
Project No.	170281401
Date	12/13/2013
Scale	N.T.S.
Drawn By	JPA
Submission Date	–
Drawing No.	1
Sheet	1 of 2

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\SheetFiles\Environmental\Phase I\Figure 1 - Site Location Plan.dwg Date: 12/13/2013 Time: 12:06 User: jalzamora Style Table: Langan.stb Layout: ANSIA-BP

APPENDIX A- SITE RECONNAISSANCE PHOTOGRAPHS

Appendix A - Site Reconnaissance Photographs
Phase I Environmental Site Assessment
27-21 44th Drive and 44-18 Purves Street
Queens, New York
Langan Project No. 170281401

Photo 1: View of Site facing east, from 44th Drive

Photo 2: View of Site facing west, from Purves Street.

Photo 3: View of vacant garage/warehouse located in the southern portion of the building on the Subject Property, facing northeast.

Photo 4: View of window ventilation and florescent light fixtures, typical.

Photo 5: View of heating units and damaged ceilings, typical.

Photo 6: View of metal plate in flooring of garage/warehouse section of the building.

Photo 7: View of water heater in garage/warehouse building.

Photo 8: View of stained walls and flooring in the garage/warehouse section of the building.

Photo 9: View of sink and stained flooring in the office building

Photo 10: View of leaking water pipe and pooled water in basement of building along western wall.

Photo 11: View of sump in basement of building.

Photo 12: View of basement.

Photo 13: View of chemicals identified in the basement near the eastern entrance of the building.

Photo 14: View of patched concrete in location of historical UST in basement.

Photo 15: View of out-of-service coal boiler near northern portion of basement.

Photo 16: View of possible former UST fill port location on sidewalk of 44th Drive.

Photo 17: View of eastern adjoining properties, facing east.

Photo 18: View of southern adjoining properties, facing southeast from 44th Drive.

Photo 19: View of western adjoining property, facing west on 44th Drive.

Photo 20: View of northern adjoining property, facing northeast from 44th Drive.

Photo 21: View of northern adjoining property, facing north from Purves Street.

APPENDIX B- USER QUESTIONNAIRE

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ASTM PRACTICE E 1527-13: USER/CLIENT QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), 188 the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by the EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquires" is not complete.

General Information

User/Client Name (s): SILVERCUP PROPERTIES LLC

Property Name: 44TH-PURVES LIC

Address: 27-21 44TH DRIVE, LONG ISLAND CITY, NY, 11101

QUEENS BLOCK 268, LOTS 4, 22, 23

Property Type: VACANT BUILDING AND VACANT LAND

Type of Property Transaction:

- Purchase of property ☒
- Financing of property ☐
- Sale of property ☐
- Ground Lease ☐
- Build to Suit Lease ☐
- Other_____

Reason Why Phase I ESA is required: ENVIRONMENTAL DUE DILIGENCE

Site Contact (s): MARK GOLD

Required Information

The citation at the end of each item (e.g. 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item.

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Yes	No
☐	☒

Did a search of recorded land title records (or judicial records, where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

Note 1 – In certain jurisdictions, federal, tribal, state or local statutes or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

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	Yes	No
(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	☐	☒
(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	☐	☒
(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).	**Yes**	**No**
(a.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? [If no, proceed to Part 5.]	☒	☐
(b.) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	☐	☐
(5.) Commonly known or reasonably known or reasonably ascertainable information about the property (40 CFR 312.30).	**Yes**	**No** report attached
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,	☒	☐
(a.) Do you know the past uses of the property?	☒	☐
(b.) Do you know of specific chemicals that are present or once were present at the property?	☒	☐
(c.) Do you know of spills or other chemical releases that have taken place at the property?	☒	☐
(d.) Do you know of any environmental cleanups that have taken place at the property?	☐	☒
(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).	**Yes**	**No**
Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?	☒	☐ report attached

SIGNATURE:

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Langan will evaluate and rely on this information in the development of the final Phase I ESA report.

Completed By: Mark Gold

Print/Type Name: MARK GOLD

Title: PRINCIPAL

Company: SILVERCUP PROPERTIES

Date: 12/31/2013

APPENDIX C- PREVIOUS ENVIRONMENTAL REPORT

27 - 21 44th Drive, Long Island City, Queens

Supplemental Due Diligence Materials

Brookfield Financial

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UST Clean-up Estimate

Phase II Subsurface Investigation Report

Disclaimer: *This information is considered Confidential Information as defined by the confidentiality agreement. Ownership and Broker are providing this data for informational purposes only and do not make any representations on the accuracy or completeness of these reports. You should not rely on these reports and you should consult with your own professionals on matters such as zoning, environmental, brownfields, phase I and phase II.*

UST Clean-up Estimate

Permits	$2,500	Lump Sum	1	$2,500
Tank Removal (550 gal gas tank)*	$5,000	Lump Sum	1	$5,000
Waste Characterization Soil Sample	$1,200	per sample	1	$1,200
End Point Soil Samples	$250	per sample	5	$1,250
Contaminated Soil Excavation and Loading	$3,000	per day	1	$3,000
Soil Transportation and Disposal**	$45	per ton	140	$6,300
Pump Truck	$850	per day	1	$850
Gasoline Disposal	$1.50	per gal	550	$825
Contaminated Water Disposal	$0.72	per gal	4,000	$2,880
Ground Water Sample	$250	per sample	1	$250
Chemical Oxidants	$2.75	per lb	500	$1,375
Consultant Oversite	$800	per day	3	$2,400
Reporting (Tank Removal Report)	$1,200	per report	1	$1,200
Reporting (Tank Reg/Dereg with PBS)	$1,000	1 time filing	1	$500

9 3

* Assumes the gas tank is not encased in concrete, if in concrete add $ 3,000
** Assumes area of 20ft by 20ft and 7ft deep = 103yd3 or ~140 tons
*** Assumes no backfill required for excavation

Phase II Subsurface Investigation Report

PHASE II

SUBSURFACE INVESTIGATION REPORT

OCTOBER 2013

EBC Project No: VHL1102

27-21 44th Drive, 44-18 Purves Street
Long Island City, NY 11101

Block 268, Lots 4, 22, & 23

Prepared for:

44 LIC, LLC
184 N. 8th Street
Brooklyn, NY 11211

ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road. Ridge, NY 11961 Ph: 631.504.6000 Fax: 631.924.2870

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Long Island City, Queens, NY 11101

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Table 4 Groundwater Analytical Results, Semi-Volatile Organic Compounds

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan

APPENDICES

Appendix A Soil Boring Logs
Appendix B Laboratory Reports

1.0 INTRODUCTION

Environmental Business Consultants (EBC) has prepared the following Phase II Subsurface Investigation Report for properties located at 27-21 44th Drive and 44-18 Purves Street (Block 268, Lots 4, 22, 23), in Long Island City, Queens, New York 11101 ("the Site"). The subsurface investigation was conducted to investigate recognized environmental conditions identified in a Phase I Environmental Site Assessment report prepared for Lot 4 by EBC in October 2011 as well as the general environmental condition of Lots 22 and 23. The work was conducted on behalf of 44 LIC LLC to identify and characterize potential contaminants within the surface/subsurface soils and groundwater at the Site to support future redevelopment.

1.1 Site Location and Description

The Site is located in the City of New York and Borough of Brooklyn (Kings County) and is identified as Block 268, Lots 4, 22 and 23. The Site includes three adjoining lots located between Purves Street and 44th Drive with frontage on both streets. Lot 4 is a square shaped lot consisting of 100.4 feet of street frontage on 44th Drive, and a maximum of 98.46 feet deep. Lot 4 is developed with a 1-story warehouse and full walkout cellar that opens to the adjoining lots along Purves Street which is at a lower elevation. The building can be accessed from 44th Drive or from the cellar level through Lots 22 and 23.

Lots 22 and 23 are adjacent rectangular lots each with 25 feet of frontage along Purves Street and are 100 feet deep. Both lots are currently vacant with vegetative cover. The total area of the three lots combined is 14,600 ft^2 (0.335 acres). The property is owned by 44 LIC, LLC.

The area surrounding the subject property consists of a mix of residential and commercial properties. The elevation of the Site is approximately 17 feet above the National Geodetic Vertical Datum (NGVD). The depth to groundwater beneath the Site was encountered at approximately 9 feet below basement level on Lot 4 and below surface grade of Lots 22 and 23. Based on regional groundwater contour maps, groundwater is expected to flow to the west toward the East River.

1.2 Site Background

1.2.1 Phase I Environmental Site Assessment, October 2011

A Phase I Environmental Site Assessment (ESA) was completed by Environmental Business Consultants, in October of 2011 for a portion of the Site (Block 268, Lot 4).

The Phase I report indicated that historical information (DOB records, Sanborn Maps, City Directory listings, and internet search) reviewed for the subject site identified the subject site as being developed in the early 1920's with the one-story building (with full basement) that currently stands at the site. In 1936, the building was used as a first floor parking garage, and the basement was used for storage of furniture. The 1936 Sanborn map shows a gasoline tank in the front of the building. In 1947, the basement was used as a paper warehouse, and the first floor parking garage space was used as a photo chemical warehouse. The gasoline tank is not drawn on the 1947 Sanborn map. The 1970 Sanborn map simply labels the building as commercial or manufacturing in 1960, but city directory listings

provided for 1962 indicate the building was used as an automotive/truck rental facility. All of the Sanborn maps from 1977 to 2006 label the building as an auto body shop, which correlates with the city directory listings and internet findings, which note Tul Mor Auto Service, Inc. in 1970, Alvic Foreign Auto Repair in 1983, NE Auto Repair, Inc. in 2000 and Northeastern Auto Repair, Inc. in the mid 2000's.

EBC concluded that based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following recognized environmental conditions were noted for the site:

- Evidence indicating the presence of a gasoline underground storage tank underneath the concrete slab of the basement floor. The 1936 Sanborn map notes a gasoline tank near the front of the building. A vent pipe indicative of a gasoline tank is visible on the roof of the building near the southern garage door, and the remnants of a concrete dispenser island are visible immediately behind the garage door. The vent pipe was traced to the basement to a patch in the concrete floor.

Based on the age of the gasoline tank (85 years), EBC recommended the following actions:

- A Phase II Subsurface Investigation to include the collection and laboratory analysis of both soil and groundwater samples.
- Remove the gasoline tank and collect endpoint soil samples in accordance with NYS DER 10 / Technical Guidance for Site Investigation and Remediation
- Properly register and deregister the underground storage tank with the NYSDEC by completing and submitting a NYSDEC Petroleum Bulk Storage Application.
- Submit a Tank Removal Affidavit with the New York City Fire Department.
- Submit a Tank Closure Report to the NYSDEC.

Although the Phase I Report did not include recommendations for lots 22 and 23, the environmental history of both lots were evaluated in the Phase I. Lots 22 and 23 were originally developed prior to 1885 as 2 and 3-story residential buildings. From 1936 through 1950 both lots were part of an operation identified as "Controller Manufacturing". From 1970 through 2006 Lot 22 is shown as "welding and Repairs with directory listings that include Rozilda labs, Leather Goods, plating equipment, manufacturing and Artisan Designs. Lot 23 is shown as vacant from 1970 on with a single listing for Russell Cress Co. in 2005. The building on Lot 22 was demolished in 2008 and both lots are vacant.

2.0 SUBSURFACE INVESTIGATION

The field work portion of the Phase II was performed on May 10 and 17, 2013 and consisted of the collection and analysis of soil and groundwater samples. Drilling services were provided by Eastern Environmental Solutions of Manorville, NY. Analytical services were provided by Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301)

2.1 Soil Sampling

Four soil borings were performed in Lots 22 and 23 to a depth of 20 feet below grade on May 10, 2013. Due to restricted access an additional two borings were performed around the suspect tank in Lot 4 of the Site to a depth of 10 feet below the basement slab on May 17, 2013. The approximate locations of the tank and the soil borings are shown on **Figure 2**.

Soil samples from each soil boring location were collected using a five foot steel dual tube sampler with acetate liners and Geoprobe direct-push equipment. For each of the soil borings, soil samples were collected continuously from grade to the termination depth of the soil boring. Soil cores were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination by a qualified environmental professional. Boring logs are provided in **Appendix A**.

During the May 10, 2013 site visit four soil borings were advanced to 20 feet below grade in Lots 22 and 23 (44-18 Purves Street). A sample was retained from the groundwater interface (7-10') of soil boring B1 and B2. A deeper sample was retained (12-15') from soil sample locations B3 and B4. Soil boring B2 exhibited a slight odor and low PID (10-20 ppm) readings around the groundwater interface. Due to limited access to the building basement on Lot 4 no borings were performed on May 10, 2013

An additional two soil borings were performed on May 17, 2013 around the suspect underground storage tank on Lot 4 of the Site. A soil sample was retained from the interval that exhibited the highest degree of contamination (B1(5-8'), B2(4-7')). Both borings showed physical evidence of petroleum contamination with PID readings from 0-400 ppm.

2.1.1 Soil Results

All of the soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and delivered by laboratory dispatched courier to Phoenix Laboratories. Soil sample results were compared to the NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Analytical data for the soil samples are summarized in **Tables 1** through **2**, and a copy of the laboratory analytical reports are included in **Appendix B**.

VOCs

Only One VOC (n-Propylbenzene) was detected within the soil samples above its corresponding NYSDEC Part 375.6 Unrestricted Soil Cleanup Objectives (USCOs). The compound was detected within soil boring Tank B2. Soil sample B3(12-15') showed detections of cis-1,2-Dichloroethene, Tetrachloroethene, and Trichloroethene, but the levels were below UUSCOs.

SVOCs
No SVOCs were reported above their corresponding UUSCOs in any of the soil samples retained.

2.2 Groundwater Sampling

Following the installation of soil boring B1, B3, B4, Tank B1, and Tank B2, EBC installed a 1-inch diameter temporary PVC monitoring well. A groundwater sample was collected from the temporary monitoring well utilizing disposable polyethylene tubing, and a low-flow peristaltic pump.

The groundwater sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice. Groundwater samples GW1, GW3, and GW4 were submitted for analysis of VOCs by EPA Method 8260. Groundwater samples Tank GW1 and Tank GW2 were submitted for analysis of VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 (CP51 List), to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301).

2.2.1 Groundwater Sample Results

Groundwater sample results were compared to the water quality standards specified in NYSDEC Groundwater Quality Standards (GQSs). Analytical data for the groundwater samples are summarized in **Tables 3 and 4** and a copy of the laboratory analytical report is provided in **Appendix B.**

VOCs
Several chlorinated VOCs were detected within the groundwater samples collected from locations GW1, GW3, and GW4. In addition, several petroleum VOCs were detected within the groundwater samples collected from locations Tank GW1 and Tank GW2. The findings are summarized below:

GW1	Tetrachloroethene (19 µg/L)
GW3	1,1,1-Trichloroethane (18 µg/L), cis-1,2-Dichloroethene (190 µg/L), Tetrachloroethene (950 µg/L), trans-1,2-Dichloroethene (6.6 µg/L), Trichloroethene (150 µg/L), and Vinyl Chloride (5.6 µg/L).
GW4	1,1,1-Trichloroethane (15 µg/L), cis-1,2-Dichloroethene (130 µg/L), Tetrachloroethene (610 µg/L), trans-1,2-Dichloroethene (14 µg/L), Trichloroethene (90 µg/L), and Vinyl Chloride (5.1 µg/L).
Tank GW1	n-Propylbenzene (21 µg/L).
Tank GW2	Isopropylbenzene (47 µg/L), Naphthalene (66 µg/L), n-Propylbenzene (110 µg/L).

SVOCs
Several SVOCs were detected within the groundwater samples Tank GW1 and Tank GW2. The findings are summarized below:

Tank GW1	Benzo(a)anthracene (11 µg/L), Benzo(b)fluoranthene (13 µg/L), Benzo(k)fluoranthene (5.1 µg/L), Chrsyene (11 µg/L), Indeno(1,2,3-cd)pyrene (5.8 µg/L).
*Tank GW2	Fluoranthene (73 µg/L), Naphthalene (57 µg/L), Phenanthrene (51 µg/L), Pyrene (69 µg/L).

*Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated Report Limit (RL) was reported for the semivolatile analysis.

3.0 CONCLUSIONS

Subsurface soils at the site are primarily made up of urban fill material to a maximum depth of 4 feet, followed by a silty sand to approximately 15 feet below grade and coarse sand to the boring terminus. The groundwater was encountered at a depth of approximately 9 feet below grade of Lots 22 and 23.

Lots 22 and 23
No VOCs or SVOCs were detected above UUSCOs within any of the soil samples from Lots 22 and 23. Groundwater samples showed concentrations of several chlorinated VOCs above NYSDEC Groundwater Quality Standards including tetrachloroethene (PCE) at a concentration of 950 ug/L. Based on the historic use of the lots for controller manufacturing, leather goods and plating equipment and the chlorinated solvent detections in soil, it's possible that the contaminants are site related.

Lot 4
Elevated concentrations of petroleum VOCs were detected within one soil sample, but only one VOC, n-Propylbenzene, was reported above its respective UUSCO. No SVOCs were detected above UUSCOs within either of the soil samples retained. The groundwater results showed several petroleum VOCs and SVOCs over NYSDEC Groundwater Quality Standards in each sample including n-propylbenzene. Based on field observations and the elevated levels of petroleum VOCs in soil and groundwater in the vicinity of the UST, a spill was reported to the NYSDEC as required by Law (Spill No. 1302045).

4.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-6

NYSDEC, Division of Water, June 1998, Addendum April 2000, *Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

Environmental Business Consultants, October 2011, *Phase I Environmental Site Assessment, 27-21 44th Drive, Long Island City, NY.*

TABLES

TABLE 1
27-21 44th Drive
Queens, NY
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,1-Trichloroethane	680	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1,2,2-Tetrachloroethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
1,1,2-Trichloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethane	270	26,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloroethene	330	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,1-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,3-Trichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trichlorobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2,4-Trimethylbenzene	3,600	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromo-3-chloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dibromoethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloroethane	20	3,100	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3,5-Trimethylbenzene	8,400	52,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichlorobenzene	2,400	4,900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,3-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
1,4-Dichlorobenzene	1,800	13,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2,2-Dichloropropane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
2-Hexanone (Methyl Butyl Ketone)			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
2-Isopropyltoluene			ND	7	**12**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Chlorotoluene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
4-Methyl-2-Pentanone			ND	35	ND	36	ND	27	ND	27	ND	58	ND	7,900
Acetone	50	100,000	ND	35	ND	36	ND	27	ND	27	ND	50	ND	31,000
Acrylonitrile			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Benzene	60	4,800	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromobenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromochloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromodichloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromoform			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Bromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon Disulfide			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Carbon tetrachloride	760	2,400	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chlorobenzene	1,100	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloroform	370	49,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Chloromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
cis-1,2-Dichloroethene	250	100,000	ND	7	ND	7.3	**90**	5.3	**12**	5.5	ND	12	ND	1,600
cis-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dibromochloromethane			ND	4.2	ND	4.4	ND	3.2	ND	3.3	ND	7	ND	940
Dibromomethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Dichlorodifluoromethane		100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Ethylbenzene	1,000	41,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Hexachlorobutadiene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Isopropylbenzene			ND	7	ND	7.3	ND	5.3	ND	5.5	**32**	12	**2,000**	1,600
m&p-Xylenes	260		ND	7	ND	7.3	ND	5.3	ND	5.5	**16**	12	ND	1,600
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	42	ND	44	ND	32	ND	33	ND	70	ND	9,400
Methyl t-butyl ether (MTBE)	930	100,000	ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Methylene chloride	50	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Naphthalene	12,000		ND	7	**39**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
n-Butylbenzene	12,000	100,000	ND	7	**21**	7.3	ND	5.3	ND	5.5	**18**	12	**4,000**	1,600
n-Propylbenzene	3,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	**51**	12	**4,500**	1,600
o-Xylene	260	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
p-Isopropyltoluene			ND	7	**25**	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
sec-Butylbenzene	11,000	100,000	ND	7	**35**	7.3	ND	5.3	ND	5.5	**18**	12	**1,700**	1,600
Styrene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
tert-Butylbenzene	5,900	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Tetrachloroethene	1,300	19,000	ND	7	ND	7.3	**630**	290	**92**	5.5	ND	12	ND	1,600
Tetrahydrofuran (THF)			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Toluene	700	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total Xylenes			ND	7	ND	7.3	ND	5.3	ND	5.5	16	12	ND	1,600
trans-1,2-Dichloroethene	190	100,000	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trans-1,3-Dichloropropene			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
trabs-1,4-dichloro-2-butene			ND	14	ND	15	ND	11	ND	11	ND	23	ND	3,100
Trichloroethene	470	21,000	ND	7	ND	7.3	**64**	5.3	**11**	5.5	ND	12	ND	1,600
Trichlorofluoromethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Trichlorotrifluoroethane			ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Vinyl Chloride	20	900	ND	7	ND	7.3	ND	5.3	ND	5.5	ND	12	ND	1,600
Total BTEX Concentration			**0.0**		**25.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**132.0**		**784.0**		**115.0**		**151.0**		**12200.0**	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
ND - Not-detected
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 2
27-21 44th Drive
Queens, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1 (7-10') µg/Kg		B2 (7-10') µg/Kg		B3 (12-15') µg/Kg		B4 (12-15) µg/Kg		TANK B1 (5-8') µg/Kg		TANK B2 (4-7') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Acenaphthene	20,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Acenaphthylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Anthracene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Benz(a)anthracene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**680**	310	ND	3,100
Benzo(a)pyrene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**580**	310	ND	3,100
Benzo(b)fluoranthene	1,000	1,000	ND	270	ND	270	ND	270	ND	270	**700**	310	ND	3,100
Benzo(ghi)perylene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**410**	310	ND	3,100
Benzo(k)fluoranthene	800	3,900	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Chrysene	1,000	3,900	ND	270	ND	270	ND	270	ND	270	**820**	310	ND	3,100
Dibenz(a,h)anthracene	330	330	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Fluoranthene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,600**	310	ND	3,100
Fluorene	30,000	100,000	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Indeno(1,2,3-cd)pyrene	500	500	ND	270	ND	270	ND	270	ND	270	ND	310	ND	3,100
Naphthalene	12,000	100,000	ND	270	ND	270	ND	270	ND	270	**310**	310	ND	3,100
Phenanthrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,100**	310	ND	3,100
Pyrene	100,000	100,000	ND	270	ND	270	ND	270	ND	270	**1,700**	310	ND	3,100

Notes:

* - NYSDEC Technical and Administative Guidance Memorandum 4046, 1994

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

NA - Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1		GW3		GW4		TANK GW1		TANK GW2	
	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,1,1-Trichloroethane	5	ND	1	**18**	1	**15**	2	ND	20	ND	40
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	2	ND	20	ND	40
1,1-Dichloroethane	5	ND	1	**1.7**	1	**3.1**	2	ND	20	ND	40
1,1-Dichloroethene	5	ND	1	**1.4**	1	ND	2	ND	20	ND	40
1,1-Dichloropropene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,3-Trichloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	2	ND	20	ND	40
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromo-3-chloropropane	0.04	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dichloropropane	0.94	ND	0.6	ND	0.6	ND	1.2	ND	12	ND	24
1,3,5-Trimethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,2-Dibromoethane		ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,3-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
1,4-Dichlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2,2-Dichloropropane	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
2-Hexanone (Methyl Butyl Ketone)		ND	5	ND	5	ND	10	ND	100	ND	200
2-Isopropyltoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Chlorotoluene	5	ND	1	ND	1	ND	2	ND	20	ND	40
4-Methyl-2-Pentanone		ND	5	ND	5	ND	10	ND	100	ND	200
Acetone		ND	25	ND	25	ND	50	ND	500	ND	1,000
Acrylonitrile	5	ND	5	ND	5	ND	10	ND	100	ND	200
Benzene	1	ND	0.7	ND	0.7	ND	1.4	ND	14	ND	28
Bromobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromochloromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Bromodichloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Bromoform		ND	1	ND	1	ND	2	ND	20	ND	40
Bromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Carbon Disulfide	60	ND	5	ND	5	ND	10	ND	100	ND	200
Carbon tetrachloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chlorobenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Chloroform	7	ND	1	ND	1	ND	2	ND	20	ND	40
Chloromethane	60	ND	1	ND	1	ND	2	ND	20	ND	40
cis-1,2-Dichloroethene	5	**4.2**	1	**190**	10	**130**	20	ND	20	ND	40
cis-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromochloromethane		ND	0.5	ND	0.5	ND	1	ND	10	ND	20
Dibromomethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Dichlorodifluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Ethylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Hexachlorobutadiene	0.5	ND	0.4	ND	0.4	ND	0.8	ND	8	ND	16
Isopropylbenzene	5	ND	1	ND	1	ND	2	ND	20	**47**	40
m&p-Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	10	ND	100	ND	200
Methyl t-butyl ether (MTBE)	10	ND	1	ND	1	ND	2	ND	20	ND	40
Methylene chloride	5	ND	1	ND	1	ND	2	ND	20	ND	40
Naphthalene	10	ND	1	ND	1	ND	2	ND	20	ND	40
n-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	**66**	40
n-Propylbenzene	5	ND	1	ND	1	ND	2	**21**	20	**110**	40
o-Xylene	5	ND	1	ND	1	ND	2	ND	20	ND	40
p-Isopropyltoluene		ND	1	ND	1	ND	2	ND	20	ND	40
sec-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Styrene	5	ND	1	ND	1	ND	2	ND	20	ND	40
tert-Butylbenzene	5	ND	1	ND	1	ND	2	ND	20	ND	40
Tetrachloroethene	5	**19**	1	**950**	50	**610**	20	ND	20	ND	40
Tetrahydrofuran (THF)		ND	2.5	ND	2.5	ND	5	ND	50	ND	100
Toluene	5	**1.8**	1	ND	1	ND	2	ND	20	ND	40
Total Xylenes	5	ND	1	ND	1	ND	2	ND	20	ND	40
trans-1,2-Dichloroethene	5	ND	1	**6.6**	1	**14**	2	ND	20	ND	40
trans-1,3-Dichloropropene	0.4	ND	0.5	ND	0.5	ND	1	ND	10	ND	20
trans-1,4-dichloro-2-butene	5	ND	5	ND	5	ND	10	ND	100	ND	200
Trichloroethene	5	**3.2**	1	**150**	10	**90**	20	ND	20	ND	40
Trichlorofluoromethane	5	ND	1	ND	1	ND	2	ND	20	ND	40
Trichlorotrifluoroethane		ND	1	ND	1	ND	2	ND	20	ND	40
Vinyl Chloride	2	ND	1	**5.6**	1	**5.1**	2	ND	20	ND	40

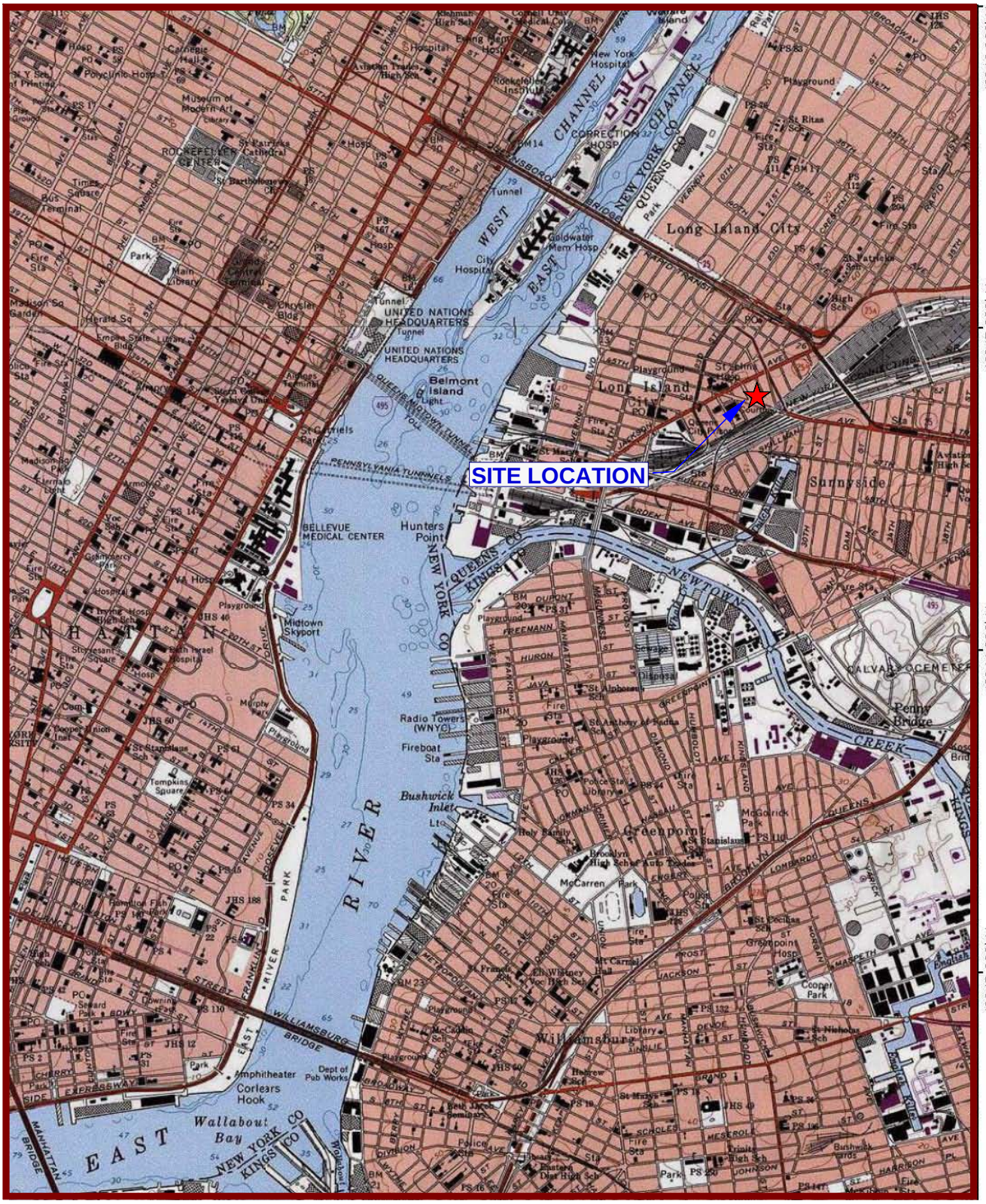
Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 4
27-21 44th Drive
Queens, NY
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	TANK GW1 µg/L		TANK GW2 µg/L	
		Result	RL	Result	RL
2-Methylnaphthalene		**0.98**	0.1	ND	*50
Acenaphthene	20	**1.4**	0.1	ND	*50
Acenaphthylene		**1.1**	0.1	ND	*50
Anthracene	50	**4.3**	0.1	ND	*50
Benz(a)anthracene	0.002	**11**	0.02	ND	*50
Benzo(a)pyrene		**11**	0.02	ND	*50
Benzo(b)fluoranthene	0.002	**13**	0.02	ND	*50
Benzo(ghi)perylene		**7.5**	0.1	ND	*50
Benzo(k)fluoranthene	0.002	**5.1**	0.02	ND	*50
Chrysene	0.002	**11**	0.02	ND	*50
Dibenzo(a,h)anthracene		**1.5**	0.01	ND	*50
Fluoranthene	50	**19**	0.1	**73**	*50
Fluorene	50	**1.4**	0.1	ND	*50
Indeno(1,2,3-cd)pyrene	0.002	**5.8**	0.02	ND	*50
Naphthalene	10	**1.5**	0.1	**57**	*50
Phenanthrene	50	**14**	0.07	**51**	*50
Pyrene	50	**21**	0.1	**69**	*50

Notes:
ND - Not detected
* - Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES

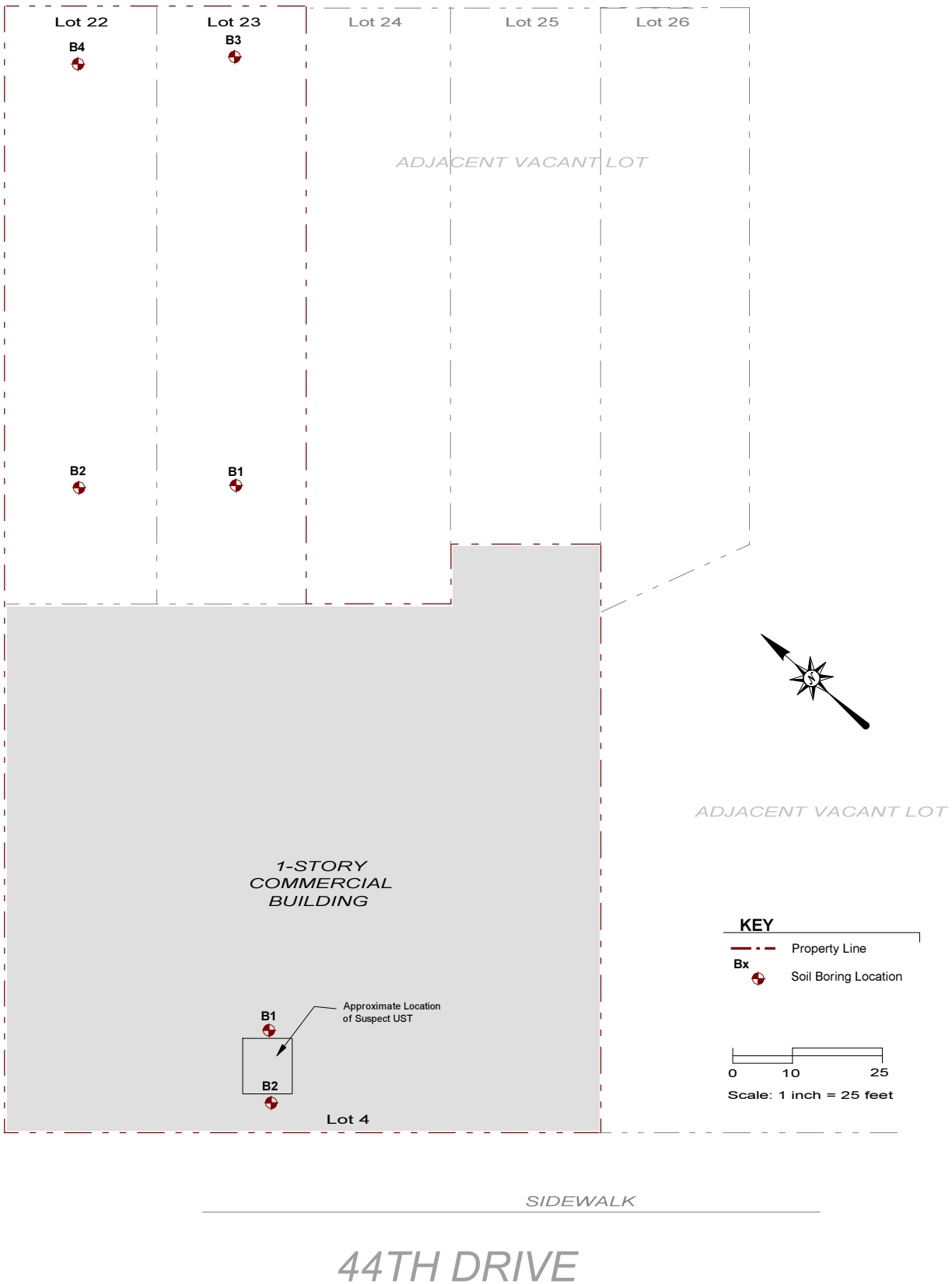


USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE & 44-18/20 PURVES STREET
LONG ISLAND CITY, NY

FIGURE 1 SITE LOCATION MAP



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

27-21 44TH DRIVE, 44-18 PURVES STREET
QUEENS, NY 11101

FIGURE 2 SITE PLAN

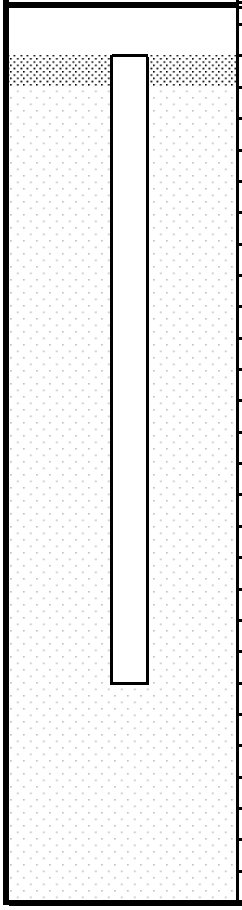
APPENDIX A
SOIL BORING LOGS

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the rear of Lot 23.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/10/2013		Date Completed: 5/10/2013			None
Completion Depth: 20 Feet		Geologist Dominick Mosca			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	29		0.0	3" - Top soil. 26" - Dark fill material in a firm silty sand matrix.
	5 to 10	30		0.0	14" - Moist brown silty sand, little to no gravel. No odor, No PID. 16" - Saturated brown, sandy loam. No gravel, No PID, No odor. **Retained Soil Sample B1 (7-10')*
	10 to 15	32		0.0	12" - Saturated brown silty sand with fine gravel. No odor, No PID. 20" - Coarse sand and gravel. No odor, No PID.
	15 to 20	18		0.0	18" - Saturated coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed in the rear of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0.0	2" - Top soil. 8" - Sandy fill, brick, gravel, dark moist sandy soil. 10" - Fine brown sand with fine gravel and trace silt. No odor, No PID.
	to 10	32		0-50	12" - Fine brown sand and gravel. 12" - Saturated grey sandy loam. Petroleum odor. PID 0-50ppm. 7" - Saturated brown sand with gravel. Slight odor. **Retained Soil Sample B2 (7-10')*
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID.
	to 20	24		0-3	24" - Saturated brown coarse sand and gravel. Bottom 8" had slight petroleum odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed in the front portion of Lot 23.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date / DTW	Groundwater depth	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	1" - Top soil. 6" - Concrete. 5" - Sandy fill material comprised of brick, wood, etc. 23" - Moist, brown silty sand with assorted gravel for the bottom 8".
	to 10	30		0.0	28" - Moist brown sandy clay. No gravel, No PID, No odor. 2" - Saturated silty sand with fine gravel.
	to 15	36		0.0	25" - Saturated brown silty sand and fine gravel. 11" - Dark brown sandy clay, no gravel. PID 0-5ppm, No odor. **Retained Soil Sample B3 (12-15')*
	to 20	30		0.0	25" - Firm, saturated, dark brown clay with no gravel. No odor, No PID. 5" - Coarse sand and gravel. No PID, no odor.

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed in front portion of Lot 22.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	9 feet		Well Specifications
Date Started: 5/10/2013	Date Completed: 5/10/2013			None
Completion Depth: 20 Feet	Geologist Dominick Mosca			

B4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	4" - Top soil. 36" - Fine brown silty sand with assorted gravel. No PID, no odor.
	to 10	22		0.0	22" - Moist brown silty sand with gravel. No odor, no PID.
	to 15	42		0.0	20" - Moist, brown to grey fine sandy loam with little to no gravel. No PID, no odor. 20" - Saturated, grey fine silty sand with approximately 10% gravel. No odor, No PID. **Retained Soil Sample B4 (12-15')*
	to 20	30		0.0	30" - Saturated medium sand with approx. 50% gravel. No odor, No PID. **Retained Groundwater Sample GW4.*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B1 Boring Log

Location: Performed adjacent to the suspect UST (toward Purves Street).			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013	Date Completed: 5/12/2013			None
Completion Depth: 10 Feet	Geologist Dominick Mosca			

Tank B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	50		200.0	30" - Fill material. 20" - Saturated silty sand. Stained black, heavy petroleum odor. PID 100-200ppm.
	to 10	50		300.0	50" - Saturated silty sand with fine gravel. Stained black with heavy petroleum odor, PID 0-300ppm. *Retained Soil Sample B1 (5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Tank B2 Boring Log

Location: Performed toward the rear wall.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: VHL1102	Address: 27-21 44th Drive, 4418 Purves Street Long Island City, Queens			Date / DTW	Ground Elevation
				Groundwater depth	
Drilling Company: Eastern Environmental Solutions, Inc.		Method: Geoprobe		9 feet	Well Specifications
Date Started: 5/12/2013		Date Completed: 5/12/2013			None
Completion Depth: 10 Feet		Geologist Dominick Mosca			

Tank B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	35		0-10	15" - Concrete 10" - Dark brown silty sand with gravel. Slight petroleum odor.
	5				
	to	40		280.0	40" - Stained black silty sand with fine gravel. PID 100-280ppm. **Retained Soil Sample B2 (5-7')*
	10				

APPENDIX B
LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, May 20, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 4416-4418 PURVES ST.
Sample ID#s: BD71472 - BD71478

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

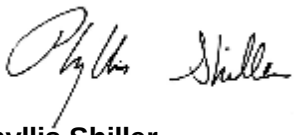
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 20, 2013

SDG I.D.: GBD71472

BD71476 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71472

Project ID: 4416-4418 PURVES ST.
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	35	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472

Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	35	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	42	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.0	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71472
Client ID: B1 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	104		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	94		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	104		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71473

Project ID: 4416-4418 PURVES ST.
Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	36	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	12	7.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	36	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	4.4	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	44	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	39	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	21	7.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	25	7.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	35	7.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	15	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	7.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	108		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71473

Client ID: B2 7-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	94		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	37		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	40		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	47		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71474

Project ID: 4416-4418 PURVES ST.
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474

Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	90	5.3	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.2	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	630	290	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	64	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	97		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71474
Client ID: B3 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	92		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	87		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	96		%	05/16/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71475

Project ID: 4416-4418 PURVES ST.
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	05/13/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/13/13	BJ/V	SW3545
Field Extraction	Completed			05/10/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	05/15/13	R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/15/13	R/J	SW8260	
Acrylonitrile	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Benzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromoform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloroform	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,2-Dichloroethene	12	5.5	ug/Kg	05/15/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	05/15/13	R/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Isopropylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	05/15/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Styrene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrachloroethene	92	5.5	ug/Kg	05/15/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/15/13	R/J	SW8260	1
Toluene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/15/13	R/J	SW8260	
Trichloroethene	11	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	05/15/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/15/13	R/J	70 - 130 %	
% Bromofluorobenzene	92		%	05/15/13	R/J	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71475
Client ID: B4 12-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98		%	05/15/13	R/J	70 - 130 %
% Toluene-d8	93		%	05/15/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Chrysene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
Pyrene	ND	270	ug/Kg	05/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	05/16/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	05/16/13	DD	30 - 130 %
% Terphenyl-d14	107		%	05/16/13	DD	30 - 130 %

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 20, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71476

Project ID: 4416-4418 PURVES ST.
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/16/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/16/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/16/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,2-Dichloroethene	4.2	1.0	ug/L	05/16/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/16/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/16/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrachloroethene	19	1.0	ug/L	05/16/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/16/13	R/T	SW8260	1
Toluene	1.8	1.0	ug/L	05/16/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/16/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/16/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/16/13	R/T	SW8260	
Trichloroethene	3.2	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/16/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	05/16/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/16/13	R/T	70 - 130 %	
% Bromofluorobenzene	85		%	05/16/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/16/13	R/T	70 - 130 %	
% Toluene-d8	92		%	05/16/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71476

Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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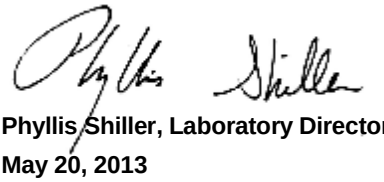

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71477

Project ID: 4416-4418 PURVES ST.
Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	18	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	1.7	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	1.4	1.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	25	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	190	10.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	950	50.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	6.6	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	150	10.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.6	1.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	96		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71477

Client ID: GW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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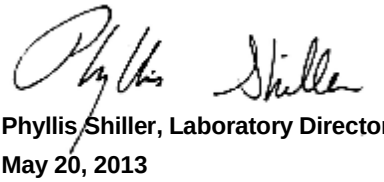

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/10/13	0:00
Location Code:	EBC	Received by:	LB	05/13/13	17:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD71472
Phoenix ID: BD71478

Project ID: 4416-4418 PURVES ST.
Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,1-Trichloroethane	15	2.0	ug/L	05/15/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethane	3.1	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloroethene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,1-Dichloropropene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dibromoethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloroethane	ND	1.2	ug/L	05/15/13	R/T	SW8260	
1,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,3-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2,2-Dichloropropane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
2-Hexanone	ND	10	ug/L	05/15/13	R/T	SW8260	
2-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	1
4-Chlorotoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	10	ug/L	05/15/13	R/T	SW8260	
Acetone	ND	50	ug/L	05/15/13	R/T	SW8260	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	10	ug/L	05/15/13	R/T	SW8260	
Benzene	ND	1.4	ug/L	05/15/13	R/T	SW8260	
Bromobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromochloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromodichloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Bromoform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Bromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Carbon Disulfide	ND	10	ug/L	05/15/13	R/T	SW8260	
Carbon tetrachloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chlorobenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloroform	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Chloromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
cis-1,2-Dichloroethene	130	20.0	ug/L	05/15/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	1
Dibromochloromethane	ND	1.0	ug/L	05/15/13	R/T	SW8260	
Dibromomethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Dichlorodifluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Ethylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.80	ug/L	05/15/13	R/T	SW8260	
Isopropylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
m&p-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methyl ethyl ketone	ND	10	ug/L	05/15/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Methylene chloride	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Naphthalene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
n-Propylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
o-Xylene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
p-Isopropyltoluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
sec-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Styrene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
tert-Butylbenzene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Tetrachloroethene	610	20.0	ug/L	05/15/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/15/13	R/T	SW8260	1
Toluene	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Total Xylenes	ND	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,2-Dichloroethene	14	2.0	ug/L	05/15/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	1.0	ug/L	05/15/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/L	05/15/13	R/T	SW8260	
Trichloroethene	90	20.0	ug/L	05/15/13	R/T	SW8260	
Trichlorofluoromethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	2.0	ug/L	05/15/13	R/T	SW8260	
Vinyl chloride	5.1	2.0	ug/L	05/15/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/15/13	R/T	70 - 130 %	
% Bromofluorobenzene	82		%	05/15/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/15/13	R/T	70 - 130 %	
% Toluene-d8	87		%	05/15/13	R/T	70 - 130 %	

Project ID: 4416-4418 PURVES ST. Phoenix I.D.: BD71478

Client ID: GW4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
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Comments:

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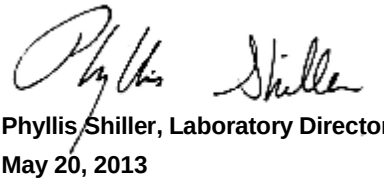

Phyllis Shiller, Laboratory Director

May 20, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 20, 2013

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 230739, QC Sample No: BD71313 (BD71474 (45X))										
Volatiles - Soil										
Tetrachloroethene	ND	106	100	5.8	103	93	10.2	70 - 130	30	
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.										
QA/QC Batch 230307, QC Sample No: BD71443 (BD71472, BD71473, BD71474, BD71475)										
Polynuclear Aromatic HC - Soil										
Acenaphthene	ND	88	88	0.0	91	93	2.2	30 - 130	30	
Acenaphthylene	ND	86	86	0.0	92	92	0.0	30 - 130	30	
Anthracene	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Benz(a)anthracene	ND	87	88	1.1	89	90	1.1	30 - 130	30	
Benzo(a)pyrene	ND	84	85	1.2	84	86	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	96	96	0.0	98	102	4.0	30 - 130	30	
Benzo(ghi)perylene	ND	81	81	0.0	96	87	9.8	30 - 130	30	
Benzo(k)fluoranthene	ND	98	101	3.0	90	95	5.4	30 - 130	30	
Chrysene	ND	88	88	0.0	92	91	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	80	80	0.0	99	91	8.4	30 - 130	30	
Fluoranthene	ND	91	92	1.1	95	94	1.1	30 - 130	30	
Fluorene	ND	90	90	0.0	94	94	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	82	82	0.0	82	74	10.3	30 - 130	30	
Naphthalene	ND	86	81	6.0	87	88	1.1	30 - 130	30	
Phenanthrene	ND	92	94	2.2	96	95	1.0	30 - 130	30	
Pyrene	ND	88	90	2.2	94	92	2.2	30 - 130	30	
% 2-Fluorobiphenyl	89	88	85	3.5	87	86	1.2	30 - 130	30	
% Nitrobenzene-d5	90	79	75	5.2	85	86	1.2	30 - 130	30	
% Terphenyl-d14	96	96	96	0.0	94	93	1.1	30 - 130	30	
Comment:										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 230521, QC Sample No: BD71482 (BD71472, BD71473, BD71474, BD71475)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	112	108	3.6	103	112	8.4	70 - 130	30	
1,1,1-Trichloroethane	ND	94	89	5.5	90	97	7.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	94	2.1	<40	<40	NC	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	101	4.0	90	89	1.1	70 - 130	30	
1,1-Dichloroethane	ND	95	92	3.2	91	95	4.3	70 - 130	30	
1,1-Dichloroethene	ND	91	85	6.8	91	97	6.4	70 - 130	30	
1,1-Dichloropropene	ND	101	94	7.2	94	105	11.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	103	11.3	78	80	2.5	70 - 130	30	
1,2,3-Trichloropropane	ND	98	88	10.8	90	92	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	89	97	8.6	77	81	5.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	89	4.4	86	96	11.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	120	130	8.0	112	112	0.0	70 - 130	30	
1,2-Dibromoethane	ND	98	104	5.9	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	95	94	1.1	87	95	8.8	70 - 130	30	
1,2-Dichloroethane	ND	98	100	2.0	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	92	96	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	86	8.9	87	99	12.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	92	4.3	86	96	11.0	70 - 130	30	
1,3-Dichloropropane	ND	99	99	0.0	95	97	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	92	90	2.2	84	91	8.0	70 - 130	30	
2,2-Dichloropropane	ND	96	92	4.3	88	94	6.6	70 - 130	30	
2-Chlorotoluene	ND	104	95	9.0	95	108	12.8	70 - 130	30	
2-Hexanone	ND	77	86	11.0	101	97	4.0	70 - 130	30	
2-Isopropyltoluene	ND	97	93	4.2	93	104	11.2	70 - 130	30	
4-Chlorotoluene	ND	97	91	6.4	92	103	11.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	103	11.3	99	92	7.3	70 - 130	30	
Acetone	ND	64	71	10.4	112	96	15.4	70 - 130	30	I
Acrylonitrile	ND	93	102	9.2	100	89	11.6	70 - 130	30	
Benzene	ND	91	87	4.5	87	94	7.7	70 - 130	30	
Bromobenzene	ND	106	100	5.8	99	109	9.6	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	101	100	1.0	70 - 130	30	
Bromodichloromethane	ND	92	92	0.0	87	90	3.4	70 - 130	30	
Bromoform	ND	112	116	3.5	106	108	1.9	70 - 130	30	
Bromomethane	ND	99	89	10.6	89	106	17.4	70 - 130	30	
Carbon Disulfide	ND	83	77	7.5	83	91	9.2	70 - 130	30	
Carbon tetrachloride	ND	108	103	4.7	100	114	13.1	70 - 130	30	
Chlorobenzene	ND	102	98	4.0	94	103	9.1	70 - 130	30	
Chloroethane	ND	94	87	7.7	93	100	7.3	70 - 130	30	
Chloroform	ND	88	85	3.5	84	88	4.7	70 - 130	30	
Chloromethane	ND	97	95	2.1	105	106	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	94	95	1.1	92	91	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	98	2.1	89	91	2.2	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	104	109	4.7	70 - 130	30	
Dibromomethane	ND	97	102	5.0	96	94	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	106	102	3.8	112	115	2.6	70 - 130	30	
Ethylbenzene	ND	95	89	6.5	90	100	10.5	70 - 130	30	
Hexachlorobutadiene	ND	80	91	12.9	90	100	10.5	70 - 130	30	
Isopropylbenzene	ND	105	94	11.1	97	113	15.2	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	91	99	8.4	70 - 130	30	
Methyl ethyl ketone	ND	64	76	17.1	97	84	14.4	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	85	87	2.3	86	84	2.4	70 - 130	30	
Methylene chloride	ND	78	77	1.3	80	80	0.0	70 - 130	30	
Naphthalene	ND	102	122	17.9	90	89	1.1	70 - 130	30	
n-Butylbenzene	ND	80	79	1.3	80	90	11.8	70 - 130	30	
n-Propylbenzene	ND	103	94	9.1	94	109	14.8	70 - 130	30	
o-Xylene	ND	97	94	3.1	91	99	8.4	70 - 130	30	
p-Isopropyltoluene	ND	99	94	5.2	93	106	13.1	70 - 130	30	
sec-Butylbenzene	ND	90	83	8.1	87	100	13.9	70 - 130	30	
Styrene	ND	90	88	2.2	88	93	5.5	70 - 130	30	
tert-Butylbenzene	ND	103	94	9.1	96	109	12.7	70 - 130	30	
Tetrachloroethene	ND	109	99	9.6	101	114	12.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	87	97	10.9	93	82	12.6	70 - 130	30	
Toluene	ND	92	90	2.2	88	94	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	81	6.0	82	87	5.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,3-Dichloropropene	ND	94	97	3.1	90	87	3.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	107	9.8	99	96	3.1	70 - 130	30	
Trichloroethene	ND	106	101	4.8	>150	>150	NC	70 - 130	30	m
Trichlorofluoromethane	ND	97	90	7.5	93	102	9.2	70 - 130	30	
Trichlorotrifluoroethane	ND	103	96	7.0	105	111	5.6	70 - 130	30	
Vinyl chloride	ND	105	101	3.9	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	100	102	2.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	94	95	97	2.1	96	94	2.1	70 - 130	30	
% Dibromofluoromethane	97	96	100	4.1	97	93	4.2	70 - 130	30	
% Toluene-d8	96	94	95	1.1	93	92	1.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230757, QC Sample No: BD71493 (BD71476, BD71477 (50, 10X) , BD71478 (20X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	94	91	3.2	94	91	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	85	83	2.4	97	83	15.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	108	4.7	117	112	4.4	70 - 130	30	
1,1,2-Trichloroethane	ND	95	95	0.0	106	108	1.9	70 - 130	30	
1,1-Dichloroethane	ND	106	109	2.8	111	105	5.6	70 - 130	30	
1,1-Dichloroethene	ND	103	107	3.8	117	102	13.7	70 - 130	30	
1,1-Dichloropropene	ND	95	98	3.1	112	110	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	112	9.3	116	119	2.6	70 - 130	30	
1,2,3-Trichloropropane	ND	97	100	3.0	107	101	5.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	101	3.0	108	111	2.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	100	0.0	112	108	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	104	3.9	114	112	1.8	70 - 130	30	
1,2-Dibromoethane	ND	89	91	2.2	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	98	98	0.0	103	99	4.0	70 - 130	30	
1,2-Dichloroethane	ND	78	81	3.8	80	84	4.9	70 - 130	30	
1,2-Dichloropropane	ND	98	98	0.0	109	109	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	97	1.0	107	104	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	99	99	0.0	103	100	3.0	70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	113	109	3.6	70 - 130	30	
1,4-Dichlorobenzene	ND	98	98	0.0	101	98	3.0	70 - 130	30	
2,2-Dichloropropane	ND	110	107	2.8	120	104	14.3	70 - 130	30	
2-Chlorotoluene	ND	103	104	1.0	110	105	4.7	70 - 130	30	
2-Hexanone	ND	104	103	1.0	119	113	5.2	70 - 130	30	
2-Isopropyltoluene	ND	98	98	0.0	106	103	2.9	70 - 130	30	
4-Chlorotoluene	ND	100	100	0.0	108	105	2.8	70 - 130	30	
4-Methyl-2-pentanone	ND	100	101	1.0	124	123	0.8	70 - 130	30	
Acetone	ND	90	89	1.1	54	41	27.4	70 - 130	30	m
Acrylonitrile	ND	125	132	5.4	141	123	13.6	70 - 130	30	l,m
Benzene	ND	104	110	5.6	113	128	12.4	70 - 130	30	
Bromobenzene	ND	100	100	0.0	106	103	2.9	70 - 130	30	
Bromochloromethane	ND	113	109	3.6	122	107	13.1	70 - 130	30	
Bromodichloromethane	ND	82	83	1.2	92	94	2.2	70 - 130	30	
Bromoform	ND	101	99	2.0	93	90	3.3	70 - 130	30	
Bromomethane	ND	116	117	0.9	90	86	4.5	70 - 130	30	
Carbon Disulfide	ND	104	106	1.9	130	119	8.8	70 - 130	30	
Carbon tetrachloride	ND	73	72	1.4	75	73	2.7	70 - 130	30	
Chlorobenzene	ND	99	100	1.0	103	99	4.0	70 - 130	30	
Chloroethane	ND	112	114	1.8	121	105	14.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroform	ND	99	95	4.1	110	93	16.7	70 - 130	30	
Chloromethane	ND	97	96	1.0	112	96	15.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	121	122	0.8	130	110	16.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	102	1.0	116	118	1.7	70 - 130	30	
Dibromochloromethane	ND	96	97	1.0	96	94	2.1	70 - 130	30	
Dibromomethane	ND	91	93	2.2	99	100	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	82	79	3.7	99	89	10.6	70 - 130	30	
Ethylbenzene	ND	98	97	1.0	106	103	2.9	70 - 130	30	
Hexachlorobutadiene	ND	86	85	1.2	95	95	0.0	70 - 130	30	
Isopropylbenzene	ND	101	101	0.0	113	113	0.0	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	106	102	3.8	70 - 130	30	
Methyl ethyl ketone	ND	98	101	3.0	101	85	17.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	97	4.0	135	130	3.8	70 - 130	30	m
Methylene chloride	ND	98	103	5.0	99	86	14.1	70 - 130	30	
Naphthalene	ND	106	108	1.9	140	142	1.4	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	105	103	1.9	70 - 130	30	
n-Propylbenzene	ND	104	104	0.0	114	110	3.6	70 - 130	30	
o-Xylene	ND	108	106	1.9	107	103	3.8	70 - 130	30	
p-Isopropyltoluene	ND	99	97	2.0	109	108	0.9	70 - 130	30	
sec-Butylbenzene	ND	96	94	2.1	107	103	3.8	70 - 130	30	
Styrene	ND	106	106	0.0	105	100	4.9	70 - 130	30	
tert-Butylbenzene	ND	95	96	1.0	105	102	2.9	70 - 130	30	
Tetrachloroethene	ND	92	90	2.2	102	103	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	117	0.0	121	94	25.1	70 - 130	30	
Toluene	ND	91	92	1.1	108	112	3.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	119	115	3.4	116	112	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	96	94	2.1	109	110	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	130	129	0.8	130	129	0.8	70 - 130	30	
Trichloroethene	ND	100	99	1.0	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	78	80	2.5	94	82	13.6	70 - 130	30	
Trichlorotrifluoroethane	ND	92	88	4.4	106	99	6.8	70 - 130	30	
Vinyl chloride	ND	110	108	1.8	116	101	13.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	83	95	95	0.0	89	89	0.0	70 - 130	30	
% Dibromofluoromethane	95	103	99	4.0	103	95	8.1	70 - 130	30	
% Toluene-d8	92	91	93	2.2	99	107	7.8	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 230579, QC Sample No: BD78745 (BD71477, BD71478 (2X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	96	95	1.0	103			70 - 130	30	
1,1,1-Trichloroethane	ND	92	85	7.9	103			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	105	0.0	116			70 - 130	30	
1,1,2-Trichloroethane	ND	97	93	4.2	102			70 - 130	30	
1,1-Dichloroethane	ND	101	95	6.1	135			70 - 130	30	m
1,1-Dichloroethene	ND	110	99	10.5	127			70 - 130	30	
1,1-Dichloropropene	ND	93	84	10.2	131			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	108	105	2.8	105			70 - 130	30	
1,2,3-Trichloropropane	ND	99	96	3.1	110			70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	104	1.0	108			70 - 130	30	
1,2,4-Trimethylbenzene	ND	110	106	3.7	118			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	103	102	1.0	116			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	91	90	1.1	99			70 - 130	30	
1,2-Dichlorobenzene	ND	102	100	2.0	109			70 - 130	30	
1,2-Dichloroethane	ND	76	72	5.4	98			70 - 130	30	
1,2-Dichloropropane	ND	98	93	5.2	111			70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	103	4.7	117			70 - 130	30	
1,3-Dichlorobenzene	ND	107	103	3.8	112			70 - 130	30	
1,3-Dichloropropane	ND	107	106	0.9	119			70 - 130	30	
1,4-Dichlorobenzene	ND	106	102	3.8	110			70 - 130	30	
2,2-Dichloropropane	ND	>150	135	NC	138			70 - 130	30	l,m
2-Chlorotoluene	ND	113	108	4.5	119			70 - 130	30	
2-Hexanone	ND	100	103	3.0	109			70 - 130	30	
2-Isopropyltoluene	ND	108	102	5.7	120			70 - 130	30	
4-Chlorotoluene	ND	109	105	3.7	120			70 - 130	30	
4-Methyl-2-pentanone	ND	97	93	4.2	110			70 - 130	30	
Acetone	ND	84	83	1.2	104			70 - 130	30	
Acrylonitrile	ND	113	116	2.6	147			70 - 130	30	m
Benzene	ND	98	90	8.5	149			70 - 130	30	m
Bromobenzene	ND	107	105	1.9	114			70 - 130	30	
Bromochloromethane	ND	107	103	3.8	124			70 - 130	30	
Bromodichloromethane	ND	88	83	5.8	95			70 - 130	30	
Bromoform	ND	100	99	1.0	109			70 - 130	30	
Bromomethane	ND	101	98	3.0	96			70 - 130	30	
Carbon Disulfide	ND	104	97	7.0	147			70 - 130	30	m
Carbon tetrachloride	ND	78	73	6.6	95			70 - 130	30	
Chlorobenzene	ND	105	101	3.9	115			70 - 130	30	
Chloroethane	ND	102	98	4.0	144			70 - 130	30	m
Chloroform	ND	97	91	6.4	111			70 - 130	30	
Chloromethane	ND	98	92	6.3	123			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	103	6.6	115			70 - 130	30	
Dibromochloromethane	ND	99	99	0.0	104			70 - 130	30	
Dibromomethane	ND	93	89	4.4	99			70 - 130	30	
Dichlorodifluoromethane	ND	99	91	8.4	99			70 - 130	30	
Ethylbenzene	ND	105	100	4.9	118			70 - 130	30	
Hexachlorobutadiene	ND	97	95	2.1	104			70 - 130	30	
Isopropylbenzene	ND	119	113	5.2	124			70 - 130	30	
m&p-Xylene	ND	106	103	2.9	120			70 - 130	30	
Methyl ethyl ketone	ND	88	86	2.3	125			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	93	87	6.7	122			70 - 130	30	
Methylene chloride	ND	90	87	3.4	115			70 - 130	30	
Naphthalene	ND	115	113	1.8	111			70 - 130	30	
n-Butylbenzene	ND	112	106	5.5	119			70 - 130	30	
n-Propylbenzene	ND	119	113	5.2	120			70 - 130	30	
o-Xylene	ND	111	107	3.7	122			70 - 130	30	
p-Isopropyltoluene	ND	111	105	5.6	118			70 - 130	30	
sec-Butylbenzene	ND	107	102	4.8	119			70 - 130	30	
Styrene	ND	107	105	1.9	122			70 - 130	30	
tert-Butylbenzene	ND	109	104	4.7	120			70 - 130	30	
Tetrahydrofuran (THF)	ND	105	97	7.9	132			70 - 130	30	m
Toluene	ND	99	93	6.3	110			70 - 130	30	
trans-1,2-Dichloroethene	ND	109	102	6.6	131			70 - 130	30	m
trans-1,3-Dichloropropene	ND	104	98	5.9	109			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	136	137	0.7	141			70 - 130	30	l,m
Trichlorofluoromethane	ND	89	81	9.4	94			70 - 130	30	

QA/QC Data

SDG I.D.: GBD71472

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorotrifluoroethane	ND	103	94	9.1	106			70 - 130	30	
Vinyl chloride	ND	107	100	6.8	135			70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	99	99	0.0	100			70 - 130	30	
% Bromofluorobenzene	84	90	91	1.1	97			70 - 130	30	
% Dibromofluoromethane	95	99	100	1.0	99			70 - 130	30	
% Toluene-d8	93	92	91	1.1	90			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 20, 2013

Sample Criteria Exceedences Report

GBD71472 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2013

SDG I.D.: GBD71472

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

4°C w/ C of C

NY/NJ CHAIN OF CUSTODY RECORD

Temp Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email:

Customer: EBC
Address: 1808 Middle County Road, Ridge, NY 11961

Project: ~~4418 and 4420~~ 4416-4418 Pares St
Report to:
Invoice to: EBC

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Date: 5-10-13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP-51 List	Soil VOA [ ] Methanol [ ] Bisulfate [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ]	PL As is [ ]	PL H2SO4 [ ] 250ml [ ] As is [ ]	PL HNO3 250ml [ ]	PL NaOH 250ml [ ]	Bacteria Bottle
71472	B1 (7-10)	S	5.10.13		X	X		2	1	1						
71473	B2 (7-10)	"	"		"	"		"	"	"						
71474	B3 (12-15)	"	"		"	"		"	"	"						
71475	B4 (12-15)	"	"		"	"										
71476	GW1	GW	"		"	"					3					
71477	GW3	"	"		"	"					1					
71478	GW4	"	"		"	"										

Relinquished by:	Accepted by:	Date	Time:
		5-13-13	2100
	Lora Bryda	5-13-13	17:14

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Thursday, May 23, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 27-21 44TH
Sample ID#s: BD80732 - BD80737

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 23, 2013

SDG I.D.: GBD80732

BD80734 - The pH in the preserved vial was greater than 2.

BD80735 - The pH in the preserved vial was greater than 2.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80732

Project ID: 27-21 44TH
Client ID: B1 5-8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	58	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	58	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	7.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	32	12	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	16	12	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	70	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	51	12	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	18	12	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	23	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	16	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	12	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	12	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	128		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: B1 5-8

Phoenix I.D.: BD80732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	90		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	112		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Benz(a)anthracene	680	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(a)pyrene	580	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	700	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(ghi)perylene	410	310	ug/Kg	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Chrysene	820	310	ug/Kg	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Fluoranthene	1600	310	ug/Kg	05/22/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	05/22/13	DD	SW 8270
Naphthalene	310	310	ug/Kg	05/22/13	DD	SW 8270
Phenanthrene	1100	310	ug/Kg	05/22/13	DD	SW 8270
Pyrene	1700	310	ug/Kg	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	65		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	111		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80733

Project ID: 27-21 44TH
Client ID: B2 4-7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	05/17/13	JL	E160.3
Soil Extraction SVOA PAH	Completed			05/17/13	BJ/V	SW3545
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	940	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	7900	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	31000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	940	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	2000	1600	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	9400	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	4000	1600	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	4500	1600	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	1700	1600	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	3100	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	3100	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	1600	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	144		%	05/18/13	R/J	70 - 130 %	3

Project ID: 27-21 44TH
Client ID: B2 4-7

Phoenix I.D.: BD80733

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	05/18/13	R/J	70 - 130 %
% Toluene-d8	109		%	05/18/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Acenaphthylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benz(a)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(a)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(b)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(ghi)perylene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Benzo(k)fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Chrysene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluoranthene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Fluorene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Naphthalene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Phenanthrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
Pyrene	ND	3100	ug/Kg	05/21/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/21/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated surrogate recovery was observed for volatiles due to matrix interference.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80734

Project ID: 27-21 44TH
Client ID: GW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	10	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	12	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	100	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	100	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	500	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	100	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	14	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	100	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	20	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	10	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	8.0	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	100	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	20	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	21	20	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	20	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	20	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	20	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	50	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	20	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	10	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	100	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	20	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	95		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	101		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW1

Phoenix I.D.: BD80734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Semivolatiles by SIM						
2-Methylnaphthalene	0.98	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Acenaphthylene	1.1	0.10	ug/L	05/22/13	DD	8270(SIM)
Anthracene	4.3	0.10	ug/L	05/22/13	DD	8270(SIM)
Benz(a)anthracene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(a)pyrene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(b)fluoranthene	13	0.020	ug/L	05/22/13	DD	8270(SIM)
Benzo(ghi)perylene	7.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Benzo(k)fluoranthene	5.1	0.020	ug/L	05/22/13	DD	8270(SIM)
Chrysene	11	0.020	ug/L	05/22/13	DD	8270(SIM)
Dibenz(a,h)anthracene	1.5	0.010	ug/L	05/22/13	DD	8270(SIM)
Fluoranthene	19	0.10	ug/L	05/22/13	DD	8270(SIM)
Fluorene	1.4	0.10	ug/L	05/22/13	DD	8270(SIM)
Indeno(1,2,3-cd)pyrene	5.8	0.020	ug/L	05/22/13	DD	8270(SIM)
Naphthalene	1.5	0.10	ug/L	05/22/13	DD	8270(SIM)
Phenanthrene	14	0.070	ug/L	05/22/13	DD	8270(SIM)
Pyrene	21	0.10	ug/L	05/22/13	DD	8270(SIM)
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	59		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	73		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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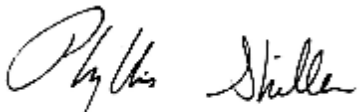

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80735

Project ID: 27-21 44TH
Client ID: GW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed			05/17/13	I/D	SW3520	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	20	ug/L	05/19/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,1-Dichloropropene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dibromoethane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloroethane	ND	24	ug/L	05/19/13	R/T	SW8260	
1,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
1,3-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
2,2-Dichloropropane	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
2-Hexanone	ND	200	ug/L	05/19/13	R/T	SW8260	
2-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	1
4-Chlorotoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	200	ug/L	05/19/13	R/T	SW8260	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	1000	ug/L	05/19/13	R/T	SW8260	
Acrylonitrile	ND	200	ug/L	05/19/13	R/T	SW8260	
Benzene	ND	28	ug/L	05/19/13	R/T	SW8260	
Bromobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromochloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromodichloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Bromoform	ND	40	ug/L	05/19/13	R/T	SW8260	
Bromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Carbon Disulfide	ND	200	ug/L	05/19/13	R/T	SW8260	
Carbon tetrachloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Chlorobenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloroform	ND	40	ug/L	05/19/13	R/T	SW8260	
Chloromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	1
Dibromochloromethane	ND	20	ug/L	05/19/13	R/T	SW8260	
Dibromomethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Dichlorodifluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Ethylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Hexachlorobutadiene	ND	16	ug/L	05/19/13	R/T	SW8260	
Isopropylbenzene	47	40	ug/L	05/19/13	R/T	SW8260	
m&p-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
Methyl ethyl ketone	ND	200	ug/L	05/19/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	40	ug/L	05/19/13	R/T	SW8260	
Methylene chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
Naphthalene	ND	40	ug/L	05/19/13	R/T	SW8260	
n-Butylbenzene	66	40	ug/L	05/19/13	R/T	SW8260	
n-Propylbenzene	110	40	ug/L	05/19/13	R/T	SW8260	
o-Xylene	ND	40	ug/L	05/19/13	R/T	SW8260	
p-Isopropyltoluene	ND	40	ug/L	05/19/13	R/T	SW8260	
sec-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Styrene	ND	40	ug/L	05/19/13	R/T	SW8260	
tert-Butylbenzene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrachloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	100	ug/L	05/19/13	R/T	SW8260	1
Toluene	ND	40	ug/L	05/19/13	R/T	SW8260	
Total Xylenes	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	20	ug/L	05/19/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	200	ug/L	05/19/13	R/T	SW8260	
Trichloroethene	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorofluoromethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	40	ug/L	05/19/13	R/T	SW8260	
Vinyl chloride	ND	40	ug/L	05/19/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/19/13	R/T	70 - 130 %	
% Bromofluorobenzene	104		%	05/19/13	R/T	70 - 130 %	
% Dibromofluoromethane	98		%	05/19/13	R/T	70 - 130 %	
% Toluene-d8	105		%	05/19/13	R/T	70 - 130 %	

Project ID: 27-21 44TH
Client ID: GW2

Phoenix I.D.: BD80735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthene	ND	50	ug/L	05/22/13	DD	SW 8270
Acenaphthylene	ND	50	ug/L	05/22/13	DD	SW 8270
Anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benz(a)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(a)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(b)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(ghi)perylene	ND	50	ug/L	05/22/13	DD	SW 8270
Benzo(k)fluoranthene	ND	50	ug/L	05/22/13	DD	SW 8270
Chrysene	ND	50	ug/L	05/22/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	50	ug/L	05/22/13	DD	SW 8270
Fluoranthene	73	50	ug/L	05/22/13	DD	SW 8270
Fluorene	ND	50	ug/L	05/22/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	05/22/13	DD	SW 8270
Naphthalene	57	50	ug/L	05/22/13	DD	SW 8270
Phenanthrene	51	50	ug/L	05/22/13	DD	SW 8270
Pyrene	69	50	ug/L	05/22/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/22/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Elevated reporting limits for volatiles due to the presence of non-target compounds.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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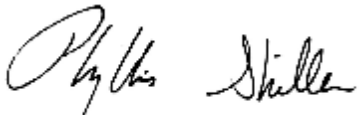

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80736

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	5000	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	3000	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	500	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	250	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	111		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BD80736

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	102		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/17/13	0:00
Location Code:	EBC	Received by:	LB	05/17/13	15:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD80732
Phoenix ID: BD80737

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	05/17/13		E160.3
Field Extraction	Completed			05/17/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
2-Hexanone	ND	25	ug/Kg	05/18/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	ug/Kg	05/18/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	05/18/13	R/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Benzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromoform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloroform	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	05/18/13	R/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
o-Xylene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Styrene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	05/18/13	R/J	SW8260	1
Toluene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	05/18/13	R/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	05/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	05/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	109		%	05/18/13	R/J	70 - 130 %	

Project ID: 27-21 44TH
Client ID: TRIP BLANK LOW

Phoenix I.D.: BD80737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	107		%	05/18/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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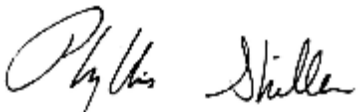

Phyllis Shiller, Laboratory Director
May 23, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 23, 2013

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 231177, QC Sample No: BD70474 (BD80732, BD80736 (50X) , BD80737)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	108	109	0.9	105	103	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	104	104	0.0	87	92	5.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	106	0.9	111	107	3.7	70 - 130	30	
1,1,2-Trichloroethane	ND	112	111	0.9	105	103	1.9	70 - 130	30	
1,1-Dichloroethane	ND	115	116	0.9	109	108	0.9	70 - 130	30	
1,1-Dichloroethene	ND	120	121	0.8	88	86	2.3	70 - 130	30	
1,1-Dichloropropene	ND	112	111	0.9	108	107	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	102	1.0	103	98	5.0	70 - 130	30	
1,2,3-Trichloropropane	ND	104	103	1.0	98	96	2.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	102	1.0	109	101	7.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	115	113	1.8	111	104	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	100	2.0	94	90	4.3	70 - 130	30	
1,2-Dibromoethane	ND	104	106	1.9	102	100	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	109	107	1.9	108	103	4.7	70 - 130	30	
1,2-Dichloroethane	ND	95	94	1.1	89	88	1.1	70 - 130	30	
1,2-Dichloropropane	ND	112	112	0.0	108	107	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	111	1.8	110	103	6.6	70 - 130	30	
1,3-Dichlorobenzene	ND	112	110	1.8	112	106	5.5	70 - 130	30	
1,3-Dichloropropane	ND	105	107	1.9	104	103	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	111	108	2.7	110	104	5.6	70 - 130	30	
2,2-Dichloropropane	ND	91	109	18.0	98	98	0.0	70 - 130	30	
2-Chlorotoluene	ND	115	115	0.0	112	105	6.5	70 - 130	30	
2-Hexanone	ND	90	88	2.2	56	55	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	111	110	0.9	110	103	6.6	70 - 130	30	
4-Chlorotoluene	ND	112	110	1.8	113	106	6.4	70 - 130	30	
4-Methyl-2-pentanone	ND	105	101	3.9	91	89	2.2	70 - 130	30	
Acetone	ND	105	85	21.1	44	<40	NC	70 - 130	30	m
Acrylonitrile	ND	108	110	1.8	104	102	1.9	70 - 130	30	
Benzene	ND	113	112	0.9	110	109	0.9	70 - 130	30	
Bromobenzene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
Bromochloromethane	ND	95	106	10.9	92	90	2.2	70 - 130	30	
Bromodichloromethane	ND	103	103	0.0	99	97	2.0	70 - 130	30	
Bromoform	ND	109	109	0.0	98	97	1.0	70 - 130	30	
Bromomethane	ND	107	120	11.5	53	64	18.8	70 - 130	30	m
Carbon Disulfide	ND	117	118	0.9	96	95	1.0	70 - 130	30	
Carbon tetrachloride	ND	99	103	4.0	78	92	16.5	70 - 130	30	
Chlorobenzene	ND	111	111	0.0	109	105	3.7	70 - 130	30	
Chloroethane	ND	110	111	0.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	92	111	18.7	86	84	2.4	70 - 130	30	
Chloromethane	ND	108	116	7.1	93	102	9.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	124	122	1.6	117	114	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	106	108	1.9	108	108	0.0	70 - 130	30	
Dibromochloromethane	ND	105	107	1.9	102	99	3.0	70 - 130	30	
Dibromomethane	ND	105	103	1.9	97	97	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	115	118	2.6	97	97	0.0	70 - 130	30	
Ethylbenzene	ND	111	111	0.0	113	108	4.5	70 - 130	30	
Hexachlorobutadiene	ND	100	99	1.0	104	93	11.2	70 - 130	30	
Isopropylbenzene	ND	119	118	0.8	116	110	5.3	70 - 130	30	
m&p-Xylene	ND	115	115	0.0	115	110	4.4	70 - 130	30	
Methyl ethyl ketone	ND	87	86	1.2	51	46	10.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	105	109	3.7	117	118	0.9	70 - 130	30	
Methylene chloride	ND	110	110	0.0	109	107	1.9	70 - 130	30	
Naphthalene	ND	102	102	0.0	101	97	4.0	70 - 130	30	
n-Butylbenzene	ND	110	110	0.0	109	99	9.6	70 - 130	30	
n-Propylbenzene	ND	120	119	0.8	117	110	6.2	70 - 130	30	
o-Xylene	ND	119	119	0.0	117	113	3.5	70 - 130	30	
p-Isopropyltoluene	ND	115	113	1.8	114	106	7.3	70 - 130	30	
sec-Butylbenzene	ND	111	110	0.9	111	104	6.5	70 - 130	30	
Styrene	ND	115	114	0.9	116	112	3.5	70 - 130	30	
tert-Butylbenzene	ND	113	112	0.9	109	103	5.7	70 - 130	30	
Tetrachloroethene	ND	114	114	0.0	111	106	4.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	105	3.7	78	94	18.6	70 - 130	30	
Toluene	ND	112	110	1.8	109	105	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	121	123	1.6	115	114	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	107	4.8	104	103	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	118	9.8	105	104	1.0	70 - 130	30	
Trichloroethene	ND	119	114	4.3	106	103	2.9	70 - 130	30	
Trichlorofluoromethane	ND	105	105	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	112	115	2.6	96	95	1.0	70 - 130	30	
Vinyl chloride	ND	118	121	2.5	117	116	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	98	98	0.0	97	96	1.0	70 - 130	30	
% Bromofluorobenzene	96	98	99	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	110	105	107	1.9	83	102	20.5	70 - 130	30	
% Toluene-d8	102	102	101	1.0	102	102	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231008, QC Sample No: BD80191 (BD80734, BD80735)

Semivolatiles - Ground Water

2-Methylnaphthalene	ND	78	79	1.3				30 - 130	20	
Acenaphthene	ND	81	79	2.5				30 - 130	20	
Acenaphthylene	ND	81	81	0.0				30 - 130	20	
Anthracene	ND	82	83	1.2				30 - 130	20	
Benz(a)anthracene	ND	88	87	1.1				30 - 130	20	
Benzo(a)pyrene	ND	86	86	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	96	100	4.1				30 - 130	20	
Benzo(ghi)perylene	ND	90	90	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	97	92	5.3				30 - 130	20	
Chrysene	ND	89	89	0.0				30 - 130	20	
Dibenz(a,h)anthracene	ND	85	85	0.0				30 - 130	20	
Fluoranthene	ND	91	92	1.1				30 - 130	20	
Fluorene	ND	90	90	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	86	86	0.0				30 - 130	20	
Naphthalene	ND	85	86	1.2				30 - 130	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Phenanthrene	ND	85	85	0.0				30 - 130	20	
Pyrene	ND	90	91	1.1				30 - 130	20	
% 2-Fluorobiphenyl	86	82	81	1.2				30 - 130	20	
% Nitrobenzene-d5	94	65	67	3.0				30 - 130	20	
% Terphenyl-d14	105	100	100	0.0				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 231171, QC Sample No: BD80709 (BD80733 (200X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	104	102	1.9	97	98	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	102	1.0	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	93	2.2	99	105	5.9	70 - 130	30	
1,1,2-Trichloroethane	ND	106	105	0.9	100	102	2.0	70 - 130	30	
1,1-Dichloroethane	ND	109	108	0.9	108	107	0.9	70 - 130	30	
1,1-Dichloroethene	ND	115	114	0.9	110	113	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	102	102	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	89	3.3	58	54	7.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	97	96	1.0	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	85	3.5	69	61	12.3	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	106	103	2.9	<40	<40	NC	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	91	96	5.3	90	95	5.4	70 - 130	30	
1,2-Dibromoethane	ND	100	99	1.0	95	98	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	99	96	3.1	44	<40	NC	70 - 130	30	m
1,2-Dichloroethane	ND	91	90	1.1	88	88	0.0	70 - 130	30	
1,2-Dichloropropane	ND	107	106	0.9	104	106	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	105	102	2.9	60	56	6.9	70 - 130	30	m
1,3-Dichlorobenzene	ND	100	97	3.0	84	80	4.9	70 - 130	30	
1,3-Dichloropropane	ND	102	101	1.0	96	98	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	97	95	2.1	75	68	9.8	70 - 130	30	m
2,2-Dichloropropane	ND	97	122	22.8	96	113	16.3	70 - 130	30	
2-Chlorotoluene	ND	107	104	2.8	62	56	10.2	70 - 130	30	m
2-Hexanone	ND	74	72	2.7	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	103	2.9	75	72	4.1	70 - 130	30	
4-Chlorotoluene	ND	101	99	2.0	67	59	12.7	70 - 130	30	m
4-Methyl-2-pentanone	ND	92	94	2.2	57	68	17.6	70 - 130	30	m
Acetone	ND	77	67	13.9	49	53	7.8	70 - 130	30	l,m
Acrylonitrile	ND	99	96	3.1	95	104	9.0	70 - 130	30	
Benzene	ND	109	108	0.9	88	86	2.3	70 - 130	30	
Bromobenzene	ND	103	101	2.0	50	40	22.2	70 - 130	30	m
Bromochloromethane	ND	114	112	1.8	88	112	24.0	70 - 130	30	
Bromodichloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromoform	ND	102	101	1.0	92	96	4.3	70 - 130	30	
Bromomethane	ND	104	113	8.3	112	112	0.0	70 - 130	30	
Carbon Disulfide	ND	112	110	1.8	116	116	0.0	70 - 130	30	
Carbon tetrachloride	ND	100	100	0.0	99	100	1.0	70 - 130	30	
Chlorobenzene	ND	106	103	2.9	70	63	10.5	70 - 130	30	m
Chloroethane	ND	106	104	1.9	109	108	0.9	70 - 130	30	
Chloroform	ND	107	106	0.9	100	104	3.9	70 - 130	30	
Chloromethane	ND	105	110	4.7	107	110	2.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	116	144	21.5	104	103	1.0	70 - 130	30	l
cis-1,3-Dichloropropene	ND	100	101	1.0	91	91	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	102	102	0.0	92	95	3.2	70 - 130	30	
Dibromomethane	ND	100	100	0.0	91	93	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	116	116	0.0	114	117	2.6	70 - 130	30	
Ethylbenzene	ND	107	105	1.9	66	57	14.6	70 - 130	30	m
Hexachlorobutadiene	ND	96	91	5.3	66	67	1.5	70 - 130	30	m
Isopropylbenzene	ND	114	112	1.8	71	64	10.4	70 - 130	30	m
m&p-Xylene	ND	109	106	2.8	63	53	17.2	70 - 130	30	m
Methyl ethyl ketone	ND	71	69	2.9	46	52	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	102	2.0	111	114	2.7	70 - 130	30	
Methylene chloride	ND	104	100	3.9	111	111	0.0	70 - 130	30	
Naphthalene	ND	96	95	1.0	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	101	99	2.0	<40	<40	NC	70 - 130	30	m
n-Propylbenzene	ND	111	110	0.9	59	50	16.5	70 - 130	30	m
o-Xylene	ND	113	110	2.7	66	59	11.2	70 - 130	30	m
p-Isopropyltoluene	ND	108	105	2.8	67	62	7.8	70 - 130	30	m
sec-Butylbenzene	ND	106	105	0.9	64	59	8.1	70 - 130	30	m
Styrene	ND	108	105	2.8	<40	<40	NC	70 - 130	30	m
tert-Butylbenzene	ND	109	107	1.9	79	78	1.3	70 - 130	30	
Tetrachloroethene	ND	110	109	0.9	104	105	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	97	97	0.0	94	106	12.0	70 - 130	30	
Toluene	ND	106	105	0.9	78	73	6.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	115	112	2.6	111	109	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	98	3.1	91	89	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	102	7.1	78	80	2.5	70 - 130	30	
Trichloroethene	ND	119	113	5.2	103	103	0.0	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	104	102	1.9	70 - 130	30	
Trichlorotrifluoroethane	ND	111	110	0.9	113	113	0.0	70 - 130	30	
Vinyl chloride	ND	113	115	1.8	108	109	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	97	98	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	112	104	103	1.0	109	111	1.8	70 - 130	30	
% Toluene-d8	102	101	102	1.0	103	101	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231371, QC Sample No: BD80734 (BD80734 (20X) , BD80735 (40X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	84	86	2.4	86	86	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	83	82	1.2	84	82	2.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	83	84	1.2	92	91	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	89	89	0.0	89	86	3.4	70 - 130	30	
1,1-Dichloroethane	ND	85	85	0.0	88	85	3.5	70 - 130	30	
1,1-Dichloroethene	ND	81	80	1.2	85	80	6.1	70 - 130	30	
1,1-Dichloropropene	ND	80	79	1.3	78	76	2.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	86	86	0.0	85	90	5.7	70 - 130	30	
1,2,3-Trichloropropane	ND	82	84	2.4	92	91	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	83	1.2	83	86	3.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	78	80	2.5	78	76	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	82	81	1.2	88	89	1.1	70 - 130	30	
1,2-Dibromoethane	ND	87	89	2.3	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	84	85	1.2	85	84	1.2	70 - 130	30	
1,2-Dichloroethane	ND	89	87	2.3	88	86	2.3	70 - 130	30	
1,2-Dichloropropane	ND	84	85	1.2	87	85	2.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	82	84	2.4	83	81	2.4	70 - 130	30	
1,3-Dichlorobenzene	ND	84	87	3.5	85	84	1.2	70 - 130	30	
1,3-Dichloropropane	ND	83	85	2.4	90	91	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	84	86	2.4	84	83	1.2	70 - 130	30	
2,2-Dichloropropane	ND	58	57	1.7	52	52	0.0	70 - 130	30	l,m
2-Chlorotoluene	ND	87	88	1.1	85	85	0.0	70 - 130	30	
2-Hexanone	ND	85	82	3.6	89	82	8.2	70 - 130	30	
2-Isopropyltoluene	ND	84	85	1.2	85	83	2.4	70 - 130	30	
4-Chlorotoluene	ND	84	86	2.4	85	85	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	89	91	2.2	91	91	0.0	70 - 130	30	
Acetone	ND	77	77	0.0	64	56	13.3	70 - 130	30	m
Acrylonitrile	ND	87	86	1.2	89	87	2.3	70 - 130	30	
Benzene	ND	80	81	1.2	79	77	2.6	70 - 130	30	
Bromobenzene	ND	86	88	2.3	87	86	1.2	70 - 130	30	
Bromochloromethane	ND	88	86	2.3	92	88	4.4	70 - 130	30	
Bromodichloromethane	ND	86	86	0.0	87	86	1.2	70 - 130	30	
Bromoform	ND	89	91	2.2	90	89	1.1	70 - 130	30	
Bromomethane	ND	91	94	3.2	66	70	5.9	70 - 130	30	m
Carbon Disulfide	ND	71	71	0.0	90	85	5.7	70 - 130	30	
Carbon tetrachloride	ND	81	82	1.2	72	74	2.7	70 - 130	30	
Chlorobenzene	ND	85	86	1.2	86	84	2.4	70 - 130	30	
Chloroethane	ND	81	82	1.2	89	83	7.0	70 - 130	30	
Chloroform	ND	87	86	1.2	90	85	5.7	70 - 130	30	
Chloromethane	ND	82	83	1.2	89	83	7.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	86	86	0.0	90	83	8.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	82	82	0.0	80	80	0.0	70 - 130	30	
Dibromochloromethane	ND	84	85	1.2	88	89	1.1	70 - 130	30	
Dibromomethane	ND	88	88	0.0	90	87	3.4	70 - 130	30	
Dichlorodifluoromethane	ND	76	76	0.0	80	75	6.5	70 - 130	30	
Ethylbenzene	ND	79	81	2.5	83	80	3.7	70 - 130	30	
Hexachlorobutadiene	ND	75	78	3.9	76	76	0.0	70 - 130	30	
Isopropylbenzene	ND	83	86	3.6	84	81	3.6	70 - 130	30	
m&p-Xylene	ND	80	81	1.2	84	80	4.9	70 - 130	30	
Methyl ethyl ketone	ND	89	88	1.1	98	90	8.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	76	77	1.3	90	91	1.1	70 - 130	30	
Methylene chloride	ND	83	83	0.0	92	87	5.6	70 - 130	30	
Naphthalene	ND	82	81	1.2	95	89	6.5	70 - 130	30	
n-Butylbenzene	ND	82	84	2.4	80	79	1.3	70 - 130	30	
n-Propylbenzene	ND	82	85	3.6	82	80	2.5	70 - 130	30	
o-Xylene	ND	87	88	1.1	85	82	3.6	70 - 130	30	
p-Isopropyltoluene	ND	82	84	2.4	82	80	2.5	70 - 130	30	
sec-Butylbenzene	ND	81	83	2.4	83	80	3.7	70 - 130	30	
Styrene	ND	88	89	1.1	87	84	3.5	70 - 130	30	
tert-Butylbenzene	ND	84	86	2.4	83	82	1.2	70 - 130	30	
Tetrachloroethene	ND	78	79	1.3	79	78	1.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	89	0.0	96	92	4.3	70 - 130	30	
Toluene	ND	83	83	0.0	84	80	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	84	83	1.2	87	82	5.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	81	82	1.2	81	80	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	72	78	8.0	73	73	0.0	70 - 130	30	
Trichloroethene	ND	84	84	0.0	84	82	2.4	70 - 130	30	
Trichlorofluoromethane	ND	78	77	1.3	82	78	5.0	70 - 130	30	
Trichlorotrifluoroethane	ND	74	72	2.7	78	74	5.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD80732

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	86	85	1.2	87	79	9.6	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	100	101	1.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	99	102	100	2.0	103	100	3.0	70 - 130	30
% Toluene-d8	101	101	102	1.0	98	99	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 231017, QC Sample No: BD80840 (BD80732, BD80733)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	70	69	1.4	72	76	5.4	30 - 130	30
Acenaphthylene	ND	74	76	2.7	74	79	6.5	30 - 130	30
Anthracene	ND	76	75	1.3	76	78	2.6	30 - 130	30
Benz(a)anthracene	ND	80	76	5.1	77	81	5.1	30 - 130	30
Benzo(a)pyrene	ND	75	73	2.7	77	81	5.1	30 - 130	30
Benzo(b)fluoranthene	ND	81	84	3.6	85	93	9.0	30 - 130	30
Benzo(ghi)perylene	ND	92	90	2.2	90	88	2.2	30 - 130	30
Benzo(k)fluoranthene	ND	86	79	8.5	91	94	3.2	30 - 130	30
Chrysene	ND	75	74	1.3	93	84	10.2	30 - 130	30
Dibenz(a,h)anthracene	ND	86	86	0.0	87	89	2.3	30 - 130	30
Fluoranthene	ND	77	74	4.0	83	86	3.6	30 - 130	30
Fluorene	ND	76	77	1.3	80	83	3.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	88	86	2.3	91	88	3.4	30 - 130	30
Naphthalene	ND	77	75	2.6	78	83	6.2	30 - 130	30
Phenanthrene	ND	80	78	2.5	79	82	3.7	30 - 130	30
Pyrene	ND	75	74	1.3	85	87	2.3	30 - 130	30
% 2-Fluorobiphenyl	68	69	69	0.0	76	81	6.4	30 - 130	30
% Nitrobenzene-d5	62	61	61	0.0	63	67	6.2	30 - 130	30
% Terphenyl-d14	80	80	78	2.5	94	96	2.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 23, 2013

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	1600	210	210	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	1600	900	900	ug/Kg
BD80733	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BD80733	$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31000	50	50	ug/Kg
BD80733	$8260MAR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	50	50	ug/Kg
BD80733	$8260MAR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	190	190	ug/Kg
BD80733	$8260MAR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	270	270	ug/Kg
BD80733	$8260MAR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	250	250	ug/Kg
BD80733	$8260MAR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	9400	120	120	ug/Kg
BD80733	$8260MAR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	370	370	ug/Kg
BD80733	$8260MAR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	680	680	ug/Kg
BD80733	$8260MAR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3100	930	930	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Residential	ND	1600	1400	1400	ug/Kg
BD80733	$8260MAR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	760	760	ug/Kg
BD80733	$8260MAR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	60	60	ug/Kg
BD80733	$8260MAR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	20	20	ug/Kg
BD80733	$8260MAR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	470	470	ug/Kg
BD80733	$8260MAR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	700	700	ug/Kg
BD80733	$8260MAR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1300	1300	ug/Kg
BD80733	$8260MAR	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1000	1000	ug/Kg
BD80733	$8260MAR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	1600	3900	3900	ug/Kg
BD80733	$8260MAR	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	1100	1100	ug/Kg
BD80733	$8260MAR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	260	260	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	800	800	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	1000	1000	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	500	500	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	3100	330	330	ug/Kg

Sample Criteria Exceedences Report

GBD80732 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	3100	330	330	ug/Kg
BD80733	$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3100	330	330	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BD80736	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BD80736	$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BD80736	$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BD80736	$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BD80736	$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BD80736	$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BD80736	$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 23, 2013

SDG I.D.: GBD80732

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

4°W/ice+TP Temp Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email:

Customer: EBC
Address: 1808 Middle Country Road Ridge, NY

Project: 27-21 44th Drive
Report to: EBC
Invoice to:

Project P.O:
Phone #: (631) 504 6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5-17-13

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 CP51 List	Soil Vial H2O	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
80732	B1 (5-8)	S	5-17-13		X	X		2	1	1							
80733	B2 (4-7)	S	"		"	"		2	1	1							
80734	GW1	GW	"		"	"					3	1					
80735	GW2	GW	"		"	"					3	1					
80736	Trip Blank w/ Above							1									
80737	TB Low level							2									

Relinquished by:	Accepted by:	Date:	Time:
[signature] for RS	[signature]	5-17-13	12:00
	Cparadise	5/17/13	1500

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

APPENDIX D- ENVIRONMENTAL DATA RESOURCES INC. ™ REPORT

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.2s
December 02, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	942
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

44-18 PURVES STREET
LONG ISLAND CITY, NY 11101

COORDINATES

Latitude (North):	40.7467000 - 40˚ 44' 48.12''
Longitude (West):	73.9415000 - 73˚ 56' 29.40''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589364.6
UTM Y (Meters):	4510966.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

NY HIST LTANKS ---------- Listing of Leaking Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS ---------- Storage Tank Faciliy Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY RES DECL ---------- Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ---------- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
NY SWRCY	Registered Recycling Facility List
NY SWTIRE	Registered Waste Tire Storage & Facility List
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
NY DEL SHWS	Delisted Registry Sites
US HIST CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information
NY LIENS	Spill Liens Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
NY Hist Spills	SPILLS Database
NY SPILLS 90	SPILLS 90 data from FirstSearch
NY SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY HSWDS	Hazardous Substance Waste Disposal Site Inventory
NY UIC	Underground Injection Control Wells
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing

LEAD SMELTERS ---------- Lead Smelter Sites
2020 COR ACTION ---------- 2020 Corrective Action Program List
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PRP ---------- Potentially Responsible Parties
PCB TRANSFORMER ---------- PCB Transformer Registration Database
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
COAL ASH DOE ---------- Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 07/11/2013 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTIVE STEEL DRUM CO INC	***52-30 34TH ST***	***SSE 1/2 - 1 (0.748 mi.)***	***237***	***751***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
KOSAN INDUSTRIAL CORP	***5-49 49TH AVE***	***W 1/2 - 1 (0.599 mi.)***	***234***	***704***
CON EDISON - RAVENSWOOD TUNNEL	***3854 VERNON BLVD NW COR***	***N 1/2 - 1 (0.857 mi.)***	***AS241***	***840***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROCKROSE CONSTRUCTION CORP	43-29 CRESCENT ST	NNW 1/8 - 1/4 (0.142 mi.)	N93	220
GOTHAM CENTER TOWER B-2	42-01 28TH STREET	NNE 1/8 - 1/4 (0.242 mi.)	AH177	491

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COURT SQUARE	***45-18 COURT SQ***	***WSW 0 - 1/8 (0.103 mi.)***	***H52***	***101***
MTA NYCT 11TH STREET & JACKSON	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J85	203
MTA NYCT - VENT PLANT 6406-7	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J86	205
KOREA NEWS	***42-22 27TH ST***	***NNE 1/8 - 1/4 (0.214 mi.)***	***W148***	***350***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - VENT PLANT 5103	HUNTER ST & 43RD AVE	N 0 - 1/8 (0.107 mi.)	G57	121

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 8 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIRR - HUNTERS POINT YARD	***SKILLMAN AVE & 27TH ST***	***SSE 1/8 - 1/4 (0.170 mi.)***	***115***	***265***
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
SUBACCHI FURNITYRE-46-24 28TH	***46-24 28TH STREET***	***SSE 1/8 - 1/4 (0.216 mi.)***	***152***	***373***
IDEAL LABEL INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC162***	***423***
LAGUARDIA COMMUNITY COLLEGE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD165***	***443***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAGLE ELECTRIC MANUFACTURING C	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M78***	***159***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCT - FLUSHING AVENUE LINE (#	***DAVIS & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB156***	***390***

State- and tribal - equivalent CERCLIS

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

A review of the NY SHWS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 14 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILSON HANLEY, INC.	***21-11 44TH AVENUE***	***NW 1/4 - 1/2 (0.326 mi.)***	***195***	***540***
FRESH CLEANERS & LAUNDRY INC	***39-26 30TH ST***	***NE 1/2 - 1 (0.576 mi.)***	***233***	***688***
AMTRAK SUNNYSIDE YARD	***39-29 HONEYWELL STREET***	***NE 1/2 - 1 (0.620 mi.)***	***235***	***710***
Class Code: Significant threat to the public health or environment - action required.				
D D K PRO CLEANERS	***38-68 13TH ST***	***N 1/2 - 1 (0.712 mi.)***	***236***	***723***
JUNG SUN LAUNDRY SITE	***37-10 24TH STREET***	***NNE 1/2 - 1 (0.794 mi.)***	***238***	***759***
Class Code: Significant threat to the public health or environment - action required.				
STANDARD MOTOR PRODUCTS INC	***37-18 NORTHERN BLVD SIT***	***ENE 1/2 - 1 (0.898 mi.)***	***AT242***	***864***
Class Code: Significant threat to the public health or environment - action required.				
LEVCO METALS PROPERTY	***34-11 36TH STREET***	***NE 1/2 - 1 (0.959 mi.)***	***246***	***899***
KAUFMAN ASTORIA STUDIOS	***34-12 36TH ST***	***NE 1/2 - 1 (0.966 mi.)***	***247***	***907***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL RUBBER & BACKING CORP	***38-31 9TH ST***	***N 1/2 - 1 (0.834 mi.)***	***239***	***762***
Class Code: Significant threat to the public health or environment - action required.				
RAVENSWOOD POWER STATION	***38-54 VERNON BOULEVARD***	***N 1/2 - 1 (0.856 mi.)***	***AS240***	***781***
S & G WOODWORKING INC	***1155 MANHATTAN AVE - MA***	***SW 1/2 - 1 (0.944 mi.)***	***244***	***894***
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	S 1/2 - 1 (0.951 mi.)	245	898
FORMER NEY SMELTING AND REFINI	269 FREEMAN STREET	SSW 1/2 - 1 (0.981 mi.)	248	924
460 KINGSLAND AVENUE LLC	***460 KINGSLAND AVE***	***S 1/2 - 1 (0.991 mi.)***	***249***	***927***

NY VAPOR REOPENED: "Vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying or adjacent buildings. The subsurface source can either be contaminated groundwater or contaminated soil which releases vapors into the pore spaces in the soil. Improvements in analytical techniques and knowledge gained from site investigations in New York and other states has led to an increased awareness of soil vapor as a medium of concern and of the potential for exposures from the soil vapor intrusion pathway. Based on this additional information, New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

A review of the NY VAPOR REOPENED list, as provided by EDR, and dated 01/01/2013 has revealed that

there is 1 NY VAPOR REOPENED site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STANDARD MOTOR PRODUCTS, INC.	***37-18 NORTHERN BOULEVA***	***RENE 1/2 - 1 (0.898 mi.)***	***AT243***	***893***

State and tribal landfill and/or solid waste disposal site lists

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

A review of the NY SWF/LF list, as provided by EDR, and dated 10/08/2013 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
C&H SAND AND STONE; CORP.	***21-16 JACKSON AVENUE***	***WSW 1/4 - 1/2 (0.343 mi.)***	***AL200***	***553***
UNITED WASTE REMOVAL;INC.	2116 JACKSON AVENUE	WSW 1/4 - 1/2 (0.344 mi.)	AL201	555

State and tribal leaking storage tank lists

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

A review of the NY LTANKS list, as provided by EDR, and dated 09/25/2013 has revealed that there are 45 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COURT PLAZA	5 COURT SQUARE	WSW 0 - 1/8 (0.124 mi.)	H73	148
Spill Number/Closed Date: 1000528 / Not Reported				
42-64 HUNTER STREET	42-64 HUNTER STREET	NNE 1/8 - 1/4 (0.131 mi.)	L82	196
Spill Number/Closed Date: 9310213 / 11/22/1993				
SPILL NUMBER 0303917	26-32 SKILLMAN AVE	S 1/8 - 1/4 (0.187 mi.)	U131	313
Spill Number/Closed Date: 0209560 / 2/17/2006				
Spill Number/Closed Date: 0303917 / 1/7/2004				
MID TOWN OPERATING COMPANY TTF	42-50 24TH ST	NNW 1/8 - 1/4 (0.222 mi.)	Z154	387
Spill Number/Closed Date: 0911288 / 1/21/2010				
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***
Spill Number/Closed Date: 9600688 / 5/27/2003				
ON SIDEWALK	47-15 PEARSON PL	SSW 1/4 - 1/2 (0.263 mi.)	AJ188	510
Spill Number/Closed Date: 0110585 / 7/31/2003				
J MANHEIMER INC	***47-22 PEARSON PL***	***SSW 1/4 - 1/2 (0.275 mi.)***	***AJ190***	***513***
Spill Number/Closed Date: 9206718 / 7/29/1993				
CONDEA SUPPLY CORP	21-21 44TH RD	WNW 1/4 - 1/2 (0.280 mi.)	191	517
Spill Number/Closed Date: 0306979 / 6/21/2006				
FALIDAS ASSCOCIATES	***25-01 QUEENS PLAZA N***	***NNE 1/4 - 1/2 (0.302 mi.)***	***192***	***518***
SPILL NUMBER 0012047	21ST ST/44TH RD	WNW 1/4 - 1/2 (0.330 mi.)	198	551
Spill Number/Closed Date: 0012047 / 10/30/2003				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA GUARDIA COMMUNITY COLLEGE	***31-10 THOMSON AVE***	***ESE 1/4 - 1/2 (0.352 mi.)***	***202***	***556***
Spill Number/Closed Date: 0110443 / 1/31/2002				
OFFICE BUILDING	29-27 NORTHERN BLVD	NE 1/4 - 1/2 (0.361 mi.)	203	570
Spill Number/Closed Date: 0612458 / 2/16/2007				
GETTY #344	***31-05 QUEENS BOULEVARD***	***E 1/4 - 1/2 (0.379 mi.)***	***AM204***	***571***
Spill Number/Closed Date: 0612273 / 2/8/2007				
GETTY S/S #344 - GETTY PROPERT	***31-05 QUEENS BLVD***	***E 1/4 - 1/2 (0.379 mi.)***	***AM205***	***596***
Spill Number/Closed Date: 9909630 / 12/2/2004				
Spill Number/Closed Date: 0009849 / 1/5/2007				
BLACK BEAR COMPANY	27-10 HUNTERS POINT AVE	S 1/4 - 1/2 (0.398 mi.)	206	605
Spill Number/Closed Date: 0501474 / 8/16/2005				
LOVOUR HOME	2512 41ST AVE	NNE 1/4 - 1/2 (0.399 mi.)	AN207	606
Spill Number/Closed Date: 0700688 / 2/17/2010				
APRT	2403 41ST AVE	NNE 1/4 - 1/2 (0.417 mi.)	AO208	608
Spill Number/Closed Date: 0711618 / 4/2/2008				
CLOSED-LACKOF RECENT INFO	40-40 CRESCENT ST	NNE 1/4 - 1/2 (0.419 mi.)	AN209	609
Spill Number/Closed Date: 9105613 / 3/14/2003				
24-03 41ST AVE	***24-03 41ST AVE***	***NNE 1/4 - 1/2 (0.420 mi.)***	***AO210***	***610***
Spill Number/Closed Date: 8709565 / 2/25/1993				
MANHOLE 14413	***QUEENS PLAZA NORTH***	***NNW 1/4 - 1/2 (0.421 mi.)***	***211***	***614***
Spill Number/Closed Date: 0100062 / 6/16/2003				
STRUCTURAL DISPLAY CO., INC	12-12 23RD AVENUE	NW 1/4 - 1/2 (0.425 mi.)	212	616
Spill Number/Closed Date: 9814023 / 9/5/2012				
INTERNATIONAL MASONRY INS	12-07 44TH AVE	WNW 1/4 - 1/2 (0.428 mi.)	213	625
Spill Number/Closed Date: 0103153 / 3/31/2006				
GULF MOKIN GAS	***23-01 41ST AVE***	***N 1/4 - 1/2 (0.437 mi.)***	***216***	***629***
Spill Number/Closed Date: 0308076 / 1/7/2004				
Spill Number/Closed Date: 0808735 / 8/28/2009				
32-32 QUEENS BLVD/SUNOCO	32-32 QUEENS BLVD	ESE 1/4 - 1/2 (0.453 mi.)	218	634
Spill Number/Closed Date: 8905358 / Not Reported				
MONARCH CONSTUCTION	11-17 43RD AVE	NW 1/4 - 1/2 (0.455 mi.)	219	638
Spill Number/Closed Date: 9516355 / 3/20/1996				
32-00 SKILLMAN AVE	32-00 SKILLMAN AVE	E 1/4 - 1/2 (0.460 mi.)	AP221	645
Spill Number/Closed Date: 0302379 / 7/29/2005				
CLOSED-LACKOF RECENT INFO	***32-00 SKILLMAN AVE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP222***	***646***
Spill Number/Closed Date: 9207976 / 3/6/2003				
SPILL NUMBER 0103168	***10-20 44TH RD***	***WNW 1/4 - 1/2 (0.465 mi.)***	***AQ223***	***651***
Spill Number/Closed Date: 0103168 / 8/27/2002				
10-22 44TH RD	10-22 44TH ROAD	WNW 1/4 - 1/2 (0.465 mi.)	AQ224	667
Spill Number/Closed Date: 9411116 / 1/20/1995				
NYCTA - SUPERIOR REED BLDG	***29-50 NORTHERN BLVD***	***NE 1/4 - 1/2 (0.473 mi.)***	***225***	***669***
Spill Number/Closed Date: 9100729 / 11/30/2000				
RESIDANCE	1120 43RD ROAD	NW 1/4 - 1/2 (0.473 mi.)	AR226	672
Spill Number/Closed Date: 0708879 / 12/19/2007				
X	11-20 43RD RD	NW 1/4 - 1/2 (0.473 mi.)	AR227	674
Spill Number/Closed Date: 0210116 / 2/28/2006				
COMMERCIAL BUILDING	40-23 24TH ST'	NNE 1/4 - 1/2 (0.478 mi.)	229	683
Spill Number/Closed Date: 0506977 / 1/5/2006				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
43-41 32ND PLACE Spill Number/Closed Date: 9303078 / 6/25/1993	43-41 32ND PLACE	E 1/4 - 1/2 (0.481 mi.)	AP230	684
KAL REALTY Spill Number/Closed Date: 9806658 / 6/15/2005	29-24 40TH AVE	NE 1/4 - 1/2 (0.497 mi.)	231	685
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8709369 / 3/13/2003	29024 40TH AVENUE	NE 1/4 - 1/2 (0.499 mi.)	232	687

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0105318 Spill Number/Closed Date: 0105318 / 6/30/2003	***43-09 HUNTERS STREET***	***NNW 0 - 1/8 (0.101 mi.)***	***F47***	***94***
TAXI STAND Spill Number/Closed Date: 0713239 / 4/22/2008	22-10 JACKSON AVE	WSW 1/4 - 1/2 (0.316 mi.)	194	538
47-20 30TH ST Spill Number/Closed Date: 8708435 / 11/2/1992	47-20 30TH ST	SE 1/4 - 1/2 (0.327 mi.)	AK196	545
I G FEDERAL ELECTRICAL SUPPLY Spill Number/Closed Date: 0110569 / 3/1/2002	***47-20 30TH ST***	***SE 1/4 - 1/2 (0.327 mi.)***	***AK197***	***546***
ST. FRANCIS OF ASSISI Spill Number/Closed Date: 8704696 / 1/25/1989	45-02 21ST AVE.	W 1/4 - 1/2 (0.338 mi.)	199	552
ANDREA ELECTRONICS Spill Number/Closed Date: 9709895 / 12/17/2002	***11-40 45TH DRIVE***	***W 1/4 - 1/2 (0.432 mi.)***	***214***	***626***
11-15 45TH AVENUE Spill Number/Closed Date: 9402499 / 5/20/1994	11-15 45TH AVENUE	W 1/4 - 1/2 (0.437 mi.)	215	628
SPILL NUMBER 0208486 Spill Number/Closed Date: 0208486 / 11/17/2003	23-30 50TH AVE	SSW 1/4 - 1/2 (0.453 mi.)	217	632
THYPIN STEEL Spill Number/Closed Date: 9312128 / 1/14/1994	***49-49 30TH STREET***	***SSE 1/4 - 1/2 (0.474 mi.)***	***228***	***675***

State and tribal registered storage tank lists

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

A review of the NY UST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 16 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAB MANAGEMENT CORP	27-34 JACKSON AVENUE	NE 0 - 1/8 (0.112 mi.)	E62	129
CITICORP AT COURT SQUARE	25-01 JACKSON AVENUE	WSW 0 - 1/8 (0.123 mi.)	H70	140
43-00 CRESCENT ST.	***43-00 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N102***	***239***
21-45 44TH DRIVE	21-45 44TH DRIVE	WNW 1/8 - 1/4 (0.167 mi.)	O109	255
SATT REALTY CORP.	***26-32 SKILLMAN AVENUE***	***S 1/8 - 1/4 (0.187 mi.)***	***U130***	***309***
BAGWIN BROTHERS SERVICE CENTER	42-37 CRESCENT STREET	N 1/8 - 1/4 (0.198 mi.)	X140	333
PARKING LOT	***23-14 44TH ROAD***	***NW 1/8 - 1/4 (0.202 mi.)***	***144***	***339***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE169***	***468***
GANDER & WHITE SHIPPING, INC.	***21-44 44TH ROAD***	***WNW 1/8 - 1/4 (0.231 mi.)***	***170***	***474***
KRK EXPEDITING CO INC	42-21 CRESCENT ST	N 1/8 - 1/4 (0.235 mi.)	AG173	482

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIDTOWN OPERATING CORP	42-50 24TH STREET	N 1/8 - 1/4 (0.238 mi.)	Z176	487
42-15 CRESENT ST	42-15 CRESCENT STREET	N 1/8 - 1/4 (0.245 mi.)	AG184	505

Lower Elevation	Address	Direction / Distance	Map ID	Page
GASGO PETROLEUM INC	27-01 JACKSON AVENUE	NNE 0 - 1/8 (0.060 mi.)	D35	57
CITYWIDE SELF STORAGE	45-55 PEARSON STREET	SW 1/8 - 1/4 (0.171 mi.)	Q117	273
GAP REALTY CO	***45-56 PEARSON ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***135***	***322***
FORDHAM ROAD CONCRETE	47-17 27TH STREET	SSE 1/8 - 1/4 (0.245 mi.)	AI181	497

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 25 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LONG ISLAND CITY COURTHOUSE	25-10 COURTHOUSE SQUARE	W 0 - 1/8 (0.078 mi.)	37	67
MINI M,ICRO SUPPLI INC	27-35 JACKSON AVE	NE 0 - 1/8 (0.109 mi.)	E61	126
CAB MANAGEMENT CORP	27-34 JACKSON AVENUE	NE 0 - 1/8 (0.112 mi.)	E63	131
CITICORP AT COURT SQUARE	25-01 JACKSON AVENUE	WSW 0 - 1/8 (0.123 mi.)	H68	137
5 COURT SQUARE	***5 COURT SQUARE***	***WSW 0 - 1/8 (0.124 mi.)***	***H72***	***144***
2415 44TH ROAD LLC	***43-32 CRESCENT STREET***	***NNW 1/8 - 1/4 (0.140 mi.)***	***N90***	***210***
KATT CORPORATION	43-29 CRESCENT STREET	NNW 1/8 - 1/4 (0.142 mi.)	N94	221
TWO COURT SQUARE	23-21 44 DRIVE	WNW 1/8 - 1/4 (0.143 mi.)	O95	224
4308 CRESCENT STREET	4308 CRESCENT STREET	NNW 1/8 - 1/4 (0.151 mi.)	N99	230
2415 44TH ROAD LLC	24-15 44TH ROAD	NW 1/8 - 1/4 (0.156 mi.)	P105	248
RML CO.	***24-20 JACKSON AVENUE***	***WSW 1/8 - 1/4 (0.171 mi.)***	***R120***	***281***
EAGLE ELECTRIC MFG CO INC	***43-35 24TH STREET***	***NNW 1/8 - 1/4 (0.180 mi.)***	***126***	***302***
MORBECK CORP	***24-15 43 AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***132***	***315***
STAR JOURNAL BUILDING	42-26 28TH STREET	NNE 1/8 - 1/4 (0.194 mi.)	137	329
BRANCO LEATHER INC	***44-02 23RD ST***	***NW 1/8 - 1/4 (0.216 mi.)***	***151***	***370***
KASSABIAN REALTY LLC	***43-10 23RD ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC161***	***420***
LAGUARDIA COMMUNITY COLLEGE	29-10 THOMSON AVENUE	ESE 1/8 - 1/4 (0.228 mi.)	AD166	453
23-10 43TH AVE	***23-10 43TH AVE***	***NNW 1/8 - 1/4 (0.231 mi.)***	***AF171***	***477***
42-15 CRESENT ST	42-15 CRESCENT STREET	N 1/8 - 1/4 (0.245 mi.)	AG183	503
TWO GOTHAM CENTER	42-09 28TH ST	NNE 1/8 - 1/4 (0.245 mi.)	AH185	507

Lower Elevation	Address	Direction / Distance	Map ID	Page
45-30 COURT SQUARE	***45-30 COURT SQUARE***	***SW 1/8 - 1/4 (0.128 mi.)***	***M79***	***187***
EAGLE ELECTRIC MFG CO INC	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M81***	***192***
45-17 PEARSON ST 45-18 CRT SQ	***45-17 PEARSON ST (45-18***	***SW 1/8 - 1/4 (0.166 mi.)***	***Q108***	***250***
CITYWIDE SELF STORAGE	45-55 PEARSON STREET	SW 1/8 - 1/4 (0.171 mi.)	Q118	277
46-20 27TH STREET LLC	46-20 27TH STREET	SSE 1/8 - 1/4 (0.199 mi.)	Y143	337

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

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 NY CBS AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
44-43 PURVES ST	*44-43 PURVES ST*	*ESE 0 - 1/8 (0.040 mi.)*	*A9*	*14*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
EAGLE ELECTRIC MANUFACTURING C	*45-31 COURT SQ*	*SW 1/8 - 1/4 (0.128 mi.)*	*M78*	*159*
ANTHONY CONCRETE	*47-17 27TH ST*	*SSE 1/8 - 1/4 (0.245 mi.)*	*AI180*	*495*

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 3 NY CBS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
44-43 PURVES ST	*44-43 PURVES ST*	*ESE 0 - 1/8 (0.040 mi.)*	*A9*	*14*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
EAGLE ELECTRIC MANUFACTURING C	*45-31 COURT SQ*	*SW 1/8 - 1/4 (0.128 mi.)*	*M78*	*159*
ANTHONY CONCRETE	*47-17 27TH ST*	*SSE 1/8 - 1/4 (0.245 mi.)*	*AI180*	*495*

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
21-16 44TH RD	*21-16 44TH RD*	*WNW 1/4 - 1/2 (0.306 mi.)*	*193*	*524*

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
21-16 44TH RD	*21-16 44TH RD*	*WNW 1/4 - 1/2 (0.306 mi.)*	*193*	*524*

State and tribal voluntary cleanup sites

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

A review of the NY VCP list, as provided by EDR, and dated 11/13/2013 has revealed that there are 3 NY VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OUTLET CITY, QUEENS BLVD. & JA	QUEENS BLVD. & JACKSON	NE 1/4 - 1/2 (0.268 mi.)	189	511
21-16 44TH RD	***21-16 44TH RD***	***WNW 1/4 - 1/2 (0.306 mi.)***	***193***	***524***
CLOSED-LACKOF RECENT INFO	***32-00 SKILLMAN AVE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP222***	***646***

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 2 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUEENS PLAZA RESIDENTIAL DEVEL	28-10 JACKSON AVENUE	NE 1/8 - 1/4 (0.193 mi.)	V133	321
SWINGSTELL, LLC	***32-00 SKILLMAN AVENUE***	***E 1/4 - 1/2 (0.460 mi.)***	***AP220***	***639***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 7 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
43-00 CRESCENT ST.	***43-00 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N102***	***239***
SATT REALTY CORP.	***26-32 SKILLMAN AVENUE***	***S 1/8 - 1/4 (0.187 mi.)***	***U130***	***309***
PARKING LOT	***23-14 44TH ROAD***	***NW 1/8 - 1/4 (0.202 mi.)***	***144***	***339***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE169***	***468***
GANDER & WHITE SHIPPING, INC.	***21-44 44TH ROAD***	***WNW 1/8 - 1/4 (0.231 mi.)***	***170***	***474***
42-15 CRESENT ST	42-15 CRESCENT ST	N 1/8 - 1/4 (0.245 mi.)	AG182	501

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAP REALTY CO	***45-56 PEARSON ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***135***	***322***

Records of Emergency Release Reports

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

A review of the NY Spills list, as provided by EDR, and dated 09/25/2013 has revealed that there are 17 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANHOLE # 514 Spill Number/Closed Date: 0003644 / 9/27/2001	44-27 PERVES ST	ESE 0 - 1/8 (0.034 mi.)	A4	10
COMMERCIAL LOT Spill Number/Closed Date: 0706566 / 10/17/2007	44 -15 PURVIS STREET	NE 0 - 1/8 (0.038 mi.)	A6	11
44-43 PURVES ST Spill Number/Closed Date: 9713189 / 5/14/1998	***44-43 PURVES ST***	***ESE 0 - 1/8 (0.040 mi.)***	***A9***	***14***
VAULT#3073 Spill Number/Closed Date: 0506520 / 1/10/2008	2740 THOMASON AVE	S 0 - 1/8 (0.046 mi.)	B17	26
SPILL NUMBER 0208224 Spill Number/Closed Date: 0208224 / 11/8/2002	JACKSON AV & 44TH DR	WNW 0 - 1/8 (0.057 mi.)	C33	54
MANHOLE # 2353 Spill Number/Closed Date: 0409173 / 1/13/2005	JACKSON VAE/DUTCHKILL S	NNE 0 - 1/8 (0.089 mi.)	E40	76
43-40 COURT SQUARE / QUEE Spill Number/Closed Date: 8702187 / 6/17/1987	43-40 COURT SQUARE	WSW 0 - 1/8 (0.107 mi.)	H58	122
DUTCH KILL/SCRAP YARD Spill Number/Closed Date: 9204680 / 7/23/1992	DUTCH KILL	ESE 0 - 1/8 (0.113 mi.)	64	133
MINI MICRO Spill Number/Closed Date: 0108045 / 11/14/2001	27-35 JACKSON AVE	NNE 0 - 1/8 (0.121 mi.)	I67	135
1 COURT SQUARE Spill Number/Closed Date: 9110791 / 1/17/1992	1 COURT SQUARE	WSW 0 - 1/8 (0.123 mi.)	H69	139
MANHOLE 4440 Spill Number/Closed Date: 9901252 / 1/7/2000	4327 QUEENS ST	ENE 0 - 1/8 (0.124 mi.)	K71	143

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONED MANHOLE#515 Spill Number/Closed Date: 0405105 / 10/23/2006	PURVES STREET/JACKSON	N 0 - 1/8 (0.051 mi.)	D27	44
COMMERCIAL AREA Spill Number/Closed Date: 0405305 / 10/28/2004	PERVES ST/ OF JACKSON A	N 0 - 1/8 (0.053 mi.)	D29	48
RESIDENTS Spill Number/Closed Date: 0208454 / 9/29/2003	10-33 JACKSON AVE	N 0 - 1/8 (0.055 mi.)	D30	49
GASGO Spill Number/Closed Date: 9913082 / Not Reported	27-01 JACKSON AVE	NNE 0 - 1/8 (0.079 mi.)	38	70
SPILL NUMBER 0105318 Spill Number/Closed Date: 9809062 / 10/21/1998	***43-09 HUNTERS STREET***	***NNW 0 - 1/8 (0.101 mi.)***	***F47***	***94***
49 HUNTER PLACE/S.I. Spill Number/Closed Date: 9011053 / 1/17/1991	49 HUNTER PLACE	NNW 0 - 1/8 (0.101 mi.)	F49	99

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 35 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
S N B INC	***44-16 PURVES ST***	***E 0 - 1/8 (0.030 mi.)***	***A2***	***8***
A A A STAMP & SEAL	***26-20 JACKSON AVE***	***N 0 - 1/8 (0.041 mi.)***	***D12***	***18***
A-1 AUTO COLLISION INC	***2831 THOMSON AVE***	***SSE 0 - 1/8 (0.045 mi.)***	***B16***	***23***
NYCTA	***44TH DR & JACKSON AVE***	***WNW 0 - 1/8 (0.057 mi.)***	***C34***	***55***
NYSDOT - THOMSON AVENUE BRIDGE	***JACKSON AVE & DUTCH KIL***	***NNE 0 - 1/8 (0.089 mi.)***	***E41***	***77***
NYCT - COURT SQUARE STA G LINE	***JACKSON ST & COURT SQ***	***W 1/8 - 1/4 (0.134 mi.)***	***J84***	***197***
KENT BRAGALINE INC	***27-45 JACKSON AVE***	***NE 1/8 - 1/4 (0.135 mi.)***	***I89***	***208***
AEROSOURCE INC	***25-19 43RD AVE***	***NNW 1/8 - 1/4 (0.151 mi.)***	***N98***	***227***
FEDERAL PACIFIC ELECTRIC CO	***4300 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N101***	***234***
CLEANCO INDUSTRIAL SERVICES OF	***10-39 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O110***	***257***
DENTSPLY TRU-BYTE	10-39 44TH DR	WNW 1/8 - 1/4 (0.167 mi.)	O111	258
ROSS WATCH CASE CORP	***21-30-42 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O112***	***260***
JAGUAR GOLD PRODUCT	***21-30 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O113***	***261***
E ZAPPI DERMATOPATHOLOGY LAB I	***21-51 44TH DR***	***WNW 1/8 - 1/4 (0.167 mi.)***	***O114***	***263***
INTERNATIONAL DESIGN CENTER	***29-10 THOMPSON AVE 9TH***	***SE 1/8 - 1/4 (0.175 mi.)***	***S121***	***285***
NYSDOT G CAMPBELL PAINTING D25	***THOMPSON AVE BRIDGE***	***ESE 1/8 - 1/4 (0.176 mi.)***	***S122***	***286***
PERENNIALLY GREEN INC	***23-13 44TH DR***	***WNW 1/8 - 1/4 (0.177 mi.)***	***123***	***288***
J BROTHERS AUTO BODY INC	***28-20 42ND RD***	***NE 1/8 - 1/4 (0.180 mi.)***	***T127***	***306***
ANOCA PLATING SERVICE CORP	***27-04 42ND RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***W136***	***328***
CON EDISON MANHOLE 954	***47TH ST & SKILLMAN AVE***	***S 1/8 - 1/4 (0.197 mi.)***	***138***	***331***
EPPY PLATING	***42-40 CRESCENT ST***	***N 1/8 - 1/4 (0.198 mi.)***	***X142***	***336***
STANDARD FINISHING CO INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC159***	***413***
GRUBER DISPLAY COMPANY	***43-10 23RD ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC160***	***418***
SCRIPTO EVERGLIDE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD164***	***440***
BURNHAM PRODUCTS CORP	***42-24 ORCHARD ST***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD167***	***457***
MTA NYCT - COURT SQUARE EFA LI	***23RD ST & 43RD RD***	***NNW 1/8 - 1/4 (0.236 mi.)***	***AF174***	***484***
CON ED - V 7677	W/S 24 ST/42 RD	N 1/8 - 1/4 (0.246 mi.)	186	509

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEAL-KAP PACKAGING INC	***11-5 44TH DR***	***N 0 - 1/8 (0.048 mi.)***	***D23***	***38***
CENTRALIZED LAB SERVICES INC	***43-25 HUNTER ST***	***NNW 0 - 1/8 (0.100 mi.)***	***F44***	***85***
ROGERS ENGRAVING CO INC	***45-61 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M80***	***190***
STERNBERGER MOTOR - G A P REAL	***45-55 PEARSON ST APT U***	***SW 1/8 - 1/4 (0.171 mi.)***	***Q119***	***279***
MATSON MFG CO INC	***45-17 PEARSON ST***	***SW 1/8 - 1/4 (0.177 mi.)***	***Q124***	***291***
MICHELANGELO SCULPTURE	***27-01 47TH AVE***	***SSE 1/8 - 1/4 (0.218 mi.)***	***Y153***	***385***
CITY SPORTS & GRAPHIC	***45-12 DAVIS ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AA155***	***388***
MTA NYCT - COURT HOUSE SQ STA	***JACKSON AVE & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB157***	***401***

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there are 35 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A A A STAMP & SEAL	***26-20 JACKSON AVE***	***N 0 - 1/8 (0.041 mi.)***	***D12***	***18***
A-1 AUTO COLLISION INC	***2831 THOMSON AVE***	***SSE 0 - 1/8 (0.045 mi.)***	***B16***	***23***
COURT SQUARE	***45-18 COURT SQ***	***WSW 0 - 1/8 (0.103 mi.)***	***H52***	***101***
NYCT - COURT SQUARE STA G LINE	***JACKSON ST & COURT SQ***	***W 1/8 - 1/4 (0.134 mi.)***	***J84***	***197***
MTA NYCT 11TH STREET & JACKSON	JACKSON AVE & 45TH AVE	W 1/8 - 1/4 (0.134 mi.)	J87	206
CON EDISON	JACKSON AVE & COURT SQU	W 1/8 - 1/4 (0.134 mi.)	J88	207
KENT BRAGALINE INC	***27-45 JACKSON AVE***	***NE 1/8 - 1/4 (0.135 mi.)***	***I89***	***208***
ROCKROSE CONSTRUCTION CORP	***4329 CRESCENT STREET***	***NNW 1/8 - 1/4 (0.141 mi.)***	***N91***	***213***
AEROSOURCE INC	***25-19 43RD AVE***	***NNW 1/8 - 1/4 (0.151 mi.)***	***N98***	***227***
FEDERAL PACIFIC ELECTRIC CO	***4300 CRESCENT ST***	***NNW 1/8 - 1/4 (0.155 mi.)***	***N101***	***234***
NYCDEP	CRESCENT & 43RD AVE	NNW 1/8 - 1/4 (0.155 mi.)	N103	246
LIRR - HUNTERS POINT YARD	***SKILLMAN AVE & 27TH ST***	***SSE 1/8 - 1/4 (0.170 mi.)***	***115***	***265***
PERENNIALLY GREEN INC	***23-13 44TH DR***	***WNW 1/8 - 1/4 (0.177 mi.)***	***123***	***288***
J BROTHERS AUTO BODY INC	***28-20 42ND RD***	***NE 1/8 - 1/4 (0.180 mi.)***	***T127***	***306***
CONSOLIDATED EDISON	PEARSON ST & JACKSON AV	WSW 1/8 - 1/4 (0.181 mi.)	R128	308
CON EDISON MANHOLE 954	***47TH ST & SKILLMAN AVE***	***S 1/8 - 1/4 (0.197 mi.)***	***138***	***331***
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
KOREA NEWS	***42-22 27TH ST***	***NNE 1/8 - 1/4 (0.214 mi.)***	***W148***	***350***
SUBACCHI FURNITYRE-46-24 28TH	***46-24 28TH STREET***	***SSE 1/8 - 1/4 (0.216 mi.)***	***152***	***373***
STANDARD FINISHING CO INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC159***	***413***
IDEAL LABEL INC	***43-10 23RD ST 2ND FLOOR***	***NW 1/8 - 1/4 (0.225 mi.)***	***AC162***	***423***
LAGUARDIA COMMUNITY COLLEGE	***29-10 THOMSON AVE***	***ESE 1/8 - 1/4 (0.228 mi.)***	***AD165***	***443***
OUTLET CITY INC	***42-16 WEST ST***	***ENE 1/8 - 1/4 (0.230 mi.)***	***AE168***	***458***
INTERNATIONAL DESIGN CENTER	***29-10 THOMPSON AVENUE***	***ESE 1/8 - 1/4 (0.236 mi.)***	***AD175***	***486***
NYC EDC - GOTHAM CENTER TOWER	***42-01 28TH STREET***	***NNE 1/8 - 1/4 (0.244 mi.)***	***AH179***	***493***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTRALIZED LAB SERVICES INC	***43-25 HUNTER ST***	***NNW 0 - 1/8 (0.100 mi.)***	***F44***	***85***
MTA NYCT - VENT PLANT 5103	HUNTER ST & 43RD AVE	N 0 - 1/8 (0.107 mi.)	G56	114
CON EDISON	45-34 COURT SQ	SW 1/8 - 1/4 (0.128 mi.)	M77	158
EAGLE ELECTRIC MANUFACTURING C	***45-31 COURT SQ***	***SW 1/8 - 1/4 (0.128 mi.)***	***M78***	***159***
STERNBERGER WAREHOUSE	45-55 PEARSON ST	SW 1/8 - 1/4 (0.171 mi.)	Q116	272
STERNBERGER MOTOR - G A P REAL	***45-55 PEARSON ST APT U***	***SW 1/8 - 1/4 (0.171 mi.)***	***Q119***	***279***
MATSON MFG CO INC	***45-17 PEARSON ST***	***SW 1/8 - 1/4 (0.177 mi.)***	***Q124***	***291***
MICHELANGELO SCULPTURE	***27-01 47TH AVE***	***SSE 1/8 - 1/4 (0.218 mi.)***	***Y153***	***385***
NYCT - FLUSHING AVENUE LINE (#	***DAVIS & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB156***	***390***
MTA NYCT - COURT HOUSE SQ STA	***JACKSON AVE & 23RD ST***	***WSW 1/8 - 1/4 (0.224 mi.)***	***AB157***	***401***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - JACKSON & WEST SUBS	***28-20 JACKSON AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***V146***	***345***
KOREA NEWS	42-22 27TH ST	NNE 1/8 - 1/4 (0.214 mi.)	W149	364

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/17/2013 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOP STAR FABRICARE	43-43 QUEENS STREET	ENE 1/8 - 1/4 (0.125 mi.)	K76	158

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/17/2013 has revealed that there are 17 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 6,TAXBLOCK 433	26-15 JACKSON AVENUE	NNW 0 - 1/8 (0.045 mi.)	D14	20
LOT 8,TAXBLOCK 433	26-11 JACKSON AVENUE	NW 0 - 1/8 (0.046 mi.)	18	27
LOT 5,TAXBLOCK 433	26-19 JACKSON AVENUE	NNW 0 - 1/8 (0.046 mi.)	D19	31
LOT 12,TAXBLOCK 433	25-25 44 DRIVE	WNW 0 - 1/8 (0.080 mi.)	39	73
LOT 8,TAXBLOCK 432	27-35 JACKSON AVENUE	NE 0 - 1/8 (0.109 mi.)	E60	123
LOT 27,TAXBLOCK 431	42-74 HUNTER STREET	NNE 0 - 1/8 (0.124 mi.)	L75	156
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LOT 4,TAXBLOCK 433	26-21 JACKSON AVENUE	N 0 - 1/8 (0.048 mi.)	D22	35
LOT 1,TAXBLOCK 433	26-27 JACKSON AVENUE	N 0 - 1/8 (0.051 mi.)	D26	40
LOT 2,TAXBLOCK 433	26-25 JACKSON AVENUE	N 0 - 1/8 (0.051 mi.)	D28	45
LOT 3,TAXBLOCK 433	26-23 JACKSON AVENUE	N 0 - 1/8 (0.055 mi.)	D31	50
LOT 35,TAXBLOCK 433	43-15 HUNTER STREET	NNW 0 - 1/8 (0.099 mi.)	F42	78
LOT 31,TAXBLOCK 433	43-25 HUNTER STREET	NNW 0 - 1/8 (0.100 mi.)	F43	81
LOT 36,TAXBLOCK 433	43-11 HUNTER STREET	NNW 0 - 1/8 (0.100 mi.)	F45	88
LOT 37,TAXBLOCK 433	43-09 HUNTER STREET	NNW 0 - 1/8 (0.101 mi.)	F46	91
LOT 41,TAXBLOCK 433	27-10 43 AVENUE	N 0 - 1/8 (0.101 mi.)	G48	96
LOT 39,TAXBLOCK 433	27-06 43 AVENUE	N 0 - 1/8 (0.103 mi.)	G53	107
LOT 38,TAXBLOCK 433	27-02 43 AVENUE	N 0 - 1/8 (0.105 mi.)	G55	111

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 37 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	4412 PURVES ST	E 0 - 1/8 (0.027 mi.)	A1	8
Not reported	4427 PURVES ST	ESE 0 - 1/8 (0.033 mi.)	A3	9
Not reported	4435 PURVES ST	ESE 0 - 1/8 (0.036 mi.)	A5	11
Not reported	4443 PURVES ST	ESE 0 - 1/8 (0.039 mi.)	A7	13
Not reported	2801 THOMSON AVE	SSW 0 - 1/8 (0.040 mi.)	B8	13
Not reported	2811 THOMSON AVE	S 0 - 1/8 (0.040 mi.)	B10	16
Not reported	2723 44TH DR	WNW 0 - 1/8 (0.040 mi.)	C11	17
Not reported	2718 THOMSON AVE	SSW 0 - 1/8 (0.043 mi.)	B13	20
Not reported	2831 THOMSON AVE	SSE 0 - 1/8 (0.045 mi.)	B15	23
Not reported	2719 THOMSON AVE	SW 0 - 1/8 (0.047 mi.)	20	34
Not reported	2615 JACKSON AVE	NNW 0 - 1/8 (0.047 mi.)	D21	35
Not reported	2604 JACKSON AVE	NW 0 - 1/8 (0.050 mi.)	C24	40
Not reported	2707 44TH DR	WNW 0 - 1/8 (0.051 mi.)	C25	40
Not reported	2413 44TH DR	WNW 0 - 1/8 (0.109 mi.)	59	123
Not reported	2722 JACKSON AVE	NE 0 - 1/8 (0.113 mi.)	I65	135
Not reported	5 COURT SQ	WSW 0 - 1/8 (0.124 mi.)	H74	156
Not reported	4243 27TH ST	N 1/8 - 1/4 (0.132 mi.)	L83	197
Not reported	4329 CRESCENT ST	NNW 1/8 - 1/4 (0.141 mi.)	N92	219
Not reported	4315 CRESCENT ST	NNW 1/8 - 1/4 (0.147 mi.)	N97	227
Not reported	4305 CRESCENT ST	NNW 1/8 - 1/4 (0.151 mi.)	N100	233
Not reported	2415 44TH RD	NW 1/8 - 1/4 (0.155 mi.)	P104	247
Not reported	2413 44TH RD	NW 1/8 - 1/4 (0.156 mi.)	P106	250
Not reported	2413 44	NW 1/8 - 1/4 (0.157 mi.)	P107	250
Not reported	2820 42ND RD	NE 1/8 - 1/4 (0.179 mi.)	T125	302
Not reported	4237 CRESCENT ST	N 1/8 - 1/4 (0.197 mi.)	X139	333
Not reported	4235 CRESCENT ST	N 1/8 - 1/4 (0.203 mi.)	X145	345
Not reported	4233 CRESCENT ST	N 1/8 - 1/4 (0.209 mi.)	X147	349
Not reported	4309 23RD ST	NNW 1/8 - 1/4 (0.233 mi.)	AF172	482
Not reported	4206 27TH ST	NNE 1/8 - 1/4 (0.243 mi.)	178	493

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2626 JACKSON AVE	N 0 - 1/8 (0.056 mi.)	D32	53
Not reported	2701 JACKSON AVE	NNE 0 - 1/8 (0.062 mi.)	D36	66
Not reported	2706 43RD AVE	N 0 - 1/8 (0.102 mi.)	G50	100
Not reported	2707 43RD AVE	N 0 - 1/8 (0.103 mi.)	G51	101
Not reported	2702 43RD AVE	N 0 - 1/8 (0.104 mi.)	G54	110
Not reported	4620 27TH ST	SSE 1/8 - 1/4 (0.198 mi.)	Y141	335
Not reported	4506 DAVIS ST	WSW 1/8 - 1/4 (0.225 mi.)	AA158	413
Not reported	4557 DAVIS ST	SW 1/8 - 1/4 (0.226 mi.)	AA163	440

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US

EXECUTIVE SUMMARY

Hist Cleaners sites within approximately 0.25 miles of the target property.

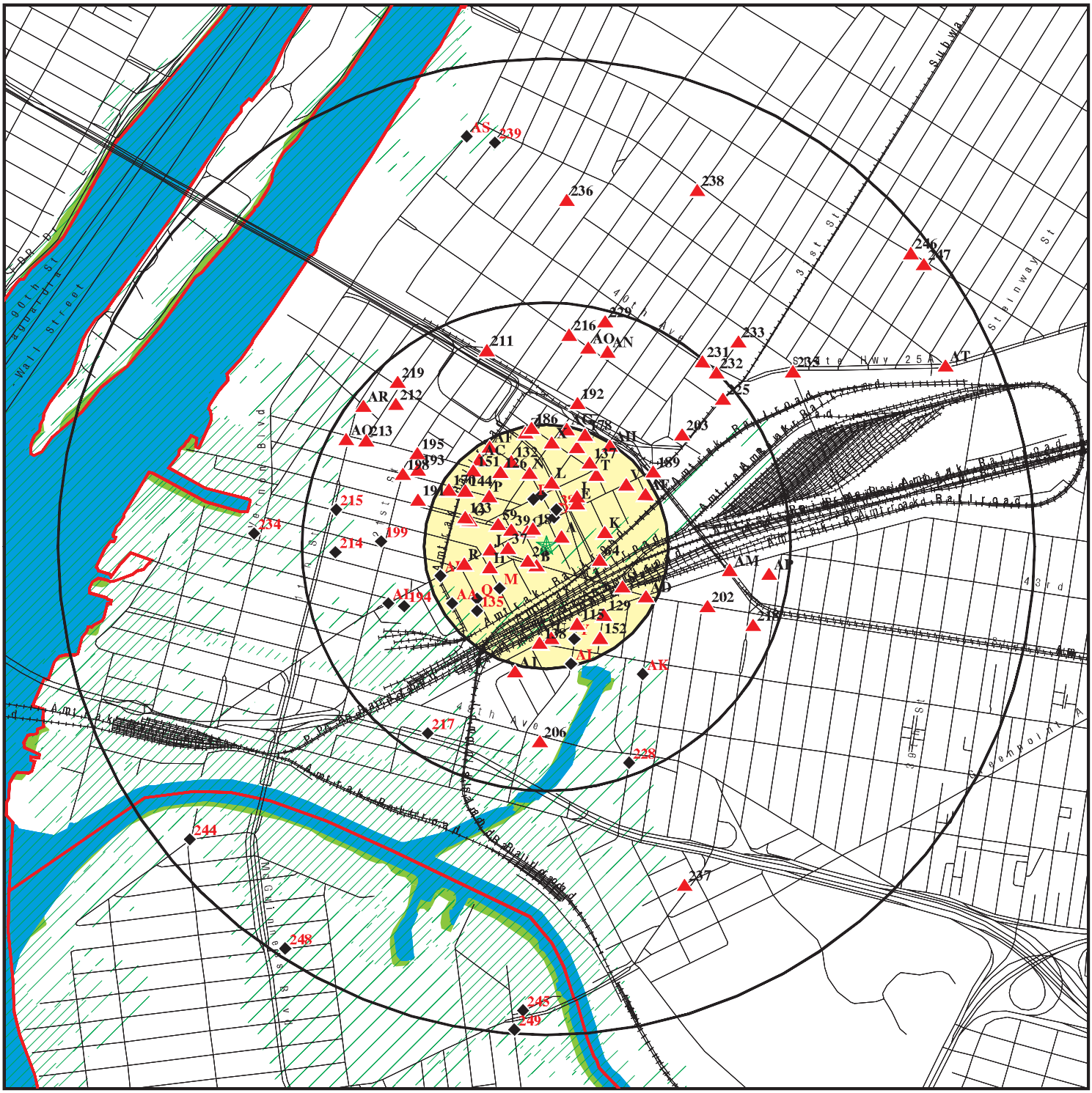
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2501 JACKSON AVE	W 0 - 1/8 (0.115 mi.)	J66	135
Not reported	4320 CRESCENT ST	NNW 1/8 - 1/4 (0.146 mi.)	N96	226
Not reported	4507 28TH ST	SE 1/8 - 1/4 (0.183 mi.)	129	309
Not reported	2704 42ND RD	NNE 1/8 - 1/4 (0.193 mi.)	W134	322
Not reported	4231 CRESCENT ST	N 1/8 - 1/4 (0.214 mi.)	X150	369
Not reported	4420 30TH ST	ESE 1/8 - 1/4 (0.248 mi.)	AD187	510

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
NYSDOT BIN 1066220	FINDS, NY MANIFEST
NYCDEP	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
NYCDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
NYSDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
NYSDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CON ED	RCRA-CESQG, NY MANIFEST
NYCTA	RCRA-CESQG, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON CO #3000	NY MANIFEST
MTA EXISTING RAIL YARD	RCRA NonGen / NLR
NYCDOT BRIDGES BIN 2247260	RCRA NonGen / NLR, FINDS

OVERVIEW MAP - 3798265.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City NY 11101 LAT/LONG: 40.7467 / 73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY #: 3798265.2s DATE: December 02, 2013 10:55 am

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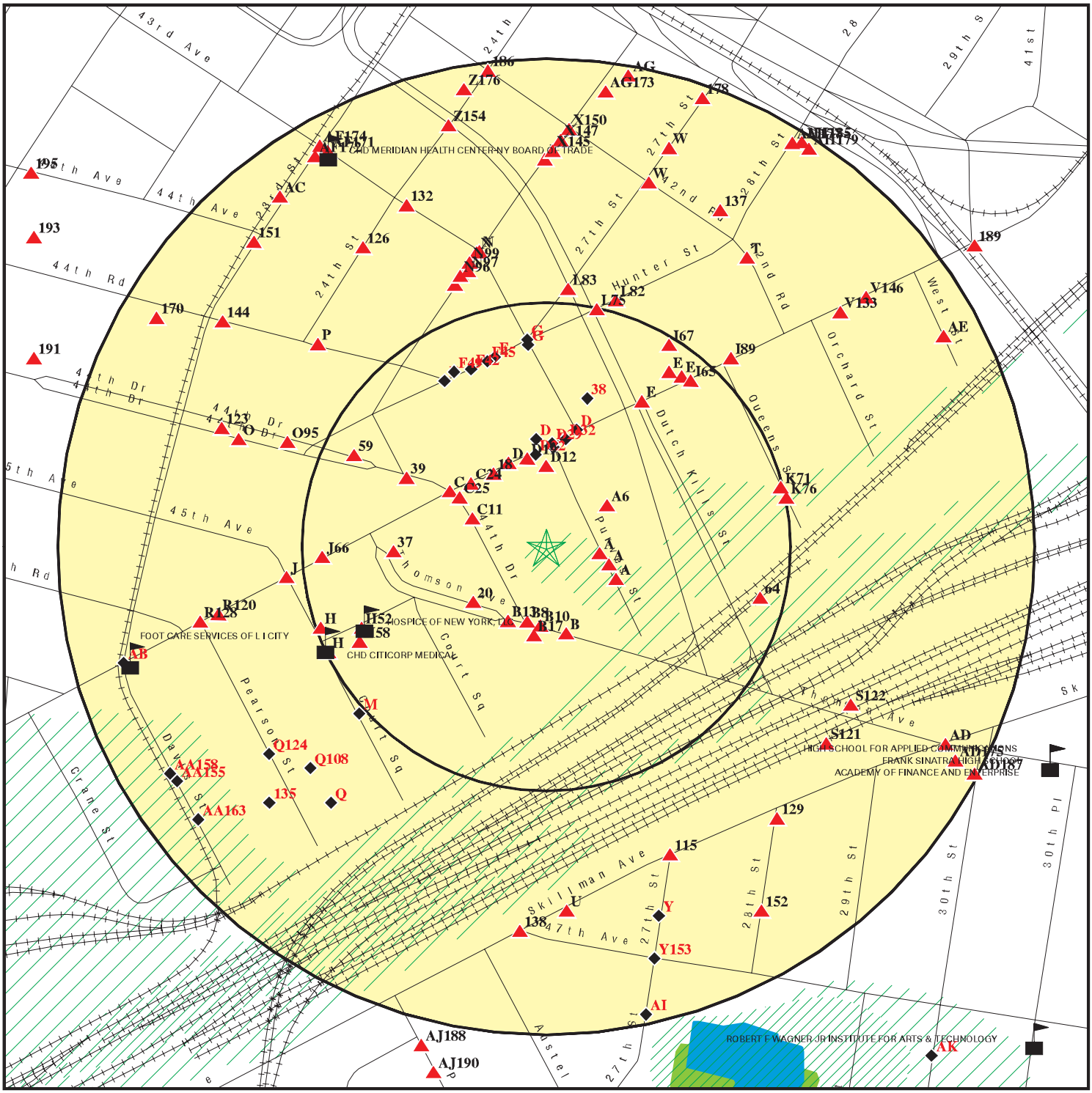
DETAIL MAP - 3798265.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/16 1/8 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 27-21 44th Drive and 44-18 Purves Street	CLIENT: Langan Engineering, Inc.
ADDRESS: 44-18 Purves Street Long Island City NY 11101	CONTACT: Jessica Alzamora
LAT/LONG: 40.7467 / 73.9415	INQUIRY #: 3798265.2s DATE: December 02, 2013 10:58 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	3	NR	3
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250		2	3	NR	NR	NR	5
RCRA-CESQG	0.250		0	8	NR	NR	NR	8
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	1	13	NR	14
NY VAPOR REOPENED	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	2	NR	NR	2
State and tribal leaking storage tank lists								
NY LTANKS	0.500		2	4	39	NR	NR	45
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		3	13	NR	NR	NR	16
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		5	20	NR	NR	NR	25
NY CBS AST	0.250		1	2	NR	NR	NR	3
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	1	NR	NR	1
NY INST CONTROL	0.500		0	0	1	NR	NR	1
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	3	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	1	1	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	7	NR	NR	NR	7
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		17	NR	NR	NR	NR	17
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	28	NR	NR	NR	35
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		5	30	NR	NR	NR	35
PA MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	2	NR	NR	NR	2
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		17	NR	NR	NR	NR	17
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		21	16	NR	NR	NR	37
EDR US Hist Cleaners	0.250		1	5	NR	NR	NR	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
East
< 1/8
0.027 mi.
145 ft.

4412 PURVES ST
LONG ISLAND CITY, NY 11101

Site 1 of 8 in cluster A

EDR US Hist Auto Stat **1015498124**
N/A

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:
Name: C T RIDE DISCOUNT AUTO REPAIR
Year: 2010
Address: 4412 PURVES ST

A2
East
< 1/8
0.030 mi.
158 ft.

S N B INC
44-16 PURVES ST
LONG ISLAND CITY, NY

Site 2 of 8 in cluster A

RCRA NonGen / NLR **1000990347**
FINDS **NYR000003061**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: S N B INC
Facility address: 44-16 PURVES ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000003061
Mailing address: PO BOX 640-786
FLUSHING, NY 113640788
Contact: WALTER SCHMIDICHEN
Contact address: PO BOX 640-786
FLUSHING, NY 113640788
Contact country: US
Contact telephone: (718) 224-3711
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WESLH BROS
Owner/operator address: 44-30 PURVES ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-7330
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: WESLH BROS
Owner/operator address: 44-30 PURVES ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-7330
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

S N B INC (Continued) **1000990347**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: S N B INC
Classification: Not a generator, verified

Date form received by agency: 04/13/1995
Facility name: S N B INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004512661

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3 **EDR US Hist Auto Stat** **1015498797**
ESE **4427 PURVES ST** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.033 mi.
176 ft. **Site 3 of 8 in cluster A**

Relative:
Higher

Actual:
20 ft.

EDR Historical Auto Stations:

Name: PURVIS AUTO REPAIR
Year: 2001
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2002
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2003
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR

(Continued) **1015498797**

Year: 2004
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2005
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR
Year: 2006
Address: 4427 PURVES ST

Name: PURVIS AUTO REPAIR INC
Year: 2007
Address: 4427 PURVES ST

A4 **MANHOLE # 514** **NY Spills** **S104653985**
ESE **44-27 PERVES ST** **N/A**
< 1/8 **QUEENS, NY**
0.034 mi.
178 ft. **Site 4 of 8 in cluster A**

Relative:
Higher

Actual:
20 ft.

SPILLS:

Facility ID:	0003644
DER Facility ID:	241946
Facility Type:	ER
Site ID:	299059
DEC Region:	2
Spill Date:	6/24/2000
Spill Number/Closed Date:	0003644 / 9/27/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	6/24/2000
CID:	281
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/24/2000
Spill Record Last Update:	10/10/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	BRIAN JOYCE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Con Ed e2mis Notes:6/24/00 2gal unknown oil on 1000gal water in manhole. Sample returned <1ppm PCB.6/25/00 Cleanup

MANHOLE # 514 (Continued) **S104653985**

completed. Oil was solidified and structure was double washed with slix. Liquids removed by tanker and solids by vactor. No earthen sump. (KMF 10/10/01)

Remarks: ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 1,000 GALLONSWATER. SAMPLE HAS BEEN TAKEN AND CLEANUP IS PENDING LAB RESULTS.CON ED # 132002. NO CALL BACK REQUESTED.

Material:

Site ID:	299059
Operable Unit ID:	826047
Operable Unit:	01
Material ID:	551961
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A5 **EDR US Hist Auto Stat** **1015499124**
ESE **4435 PURVES ST** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.036 mi.
191 ft. **Site 5 of 8 in cluster A**

Relative: Higher

Actual: 21 ft.

EDR Historical Auto Stations:

Name:	PURVIS AUTO REPAIR
Year:	1999
Address:	4435 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2000
Address:	4435 PURVES ST

A6 **COMMERCIAL LOT** **NY Spills** **S108764477**
NE **44 -15 PURVIS STREET** **N/A**
< 1/8 **LONG ISLAND, NY**
0.038 mi.
199 ft. **Site 6 of 8 in cluster A**

Relative: Higher

Actual: 16 ft.

SPILLS:

Facility ID:	0706566
DER Facility ID:	336512
Facility Type:	ER
Site ID:	387108
DEC Region:	2
Spill Date:	9/12/2007
Spill Number/Closed Date:	0706566 / 10/17/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

COMMERCIAL LOT (Continued) **S108764477**

	Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	hrpatel
Referred To:	Not reported
Reported to Dept:	9/12/2007
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/12/2007
Spill Record Last Update:	10/17/2007
Spiller Name:	CHARLIE SCHMINDGALL
Spiller Company:	COMMERCIAL LOT
Spiller Address:	44 -15 PURVIS STREET
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	001
Contact Name:	CHARLIE SCHMINDGALL
Contact Phone:	(631) 224-1680
DEC Memo:	10/11/07-Hiralkumar Patel. left message for Charlie at agressive environmental.10/15/07-Hiralkumar Patel. received message from Charlie. he will send report.10/17/07-Hiralkumar Patel. received Phase II report from Charlie. abstract:- no structure on property; only cars and construction equipments- during Phase I, a possible UST was oted in the south-east corner of the property- no tanks/anamolies found during GPR survey by Impact environmental- total six soil borings were performed, all borings were drilled to 15 ft bg- water table stands between 13 and 14 ft bg- soil samples were collected every five ft and were field screened- six soil samples were collected (one from each boring)- soil samples from boring 1, 2, 5 & 6 were taken at water table as no PID found- soil samples from boring 3 & 4 were taken at 5 ft bg as found little high PID (5 - 10 ppm) than background values (1 - 2 ppm)- no VOCs found in any samples- few SVOCs found in sample # 3 & 4based on available report, case closed.
Remarks:	SOIL TESTING LEVELS WERE VERY VERY LOW BUT CALLER WANTED DEC TO CHECK OUT

Material:

Site ID:	387108
Operable Unit ID:	1144325
Operable Unit:	01
Material ID:	2134622
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

COMMERCIAL LOT (Continued) **S108764477**

Tank Test:

A7
ESE
< 1/8
0.039 mi.
208 ft.

4443 PURVES ST **EDR US Hist Auto Stat** **1015499477**
LONG ISLAND CITY, NY 11101 **N/A**

Site 7 of 8 in cluster A

Relative: Higher

Actual: 22 ft.

EDR Historical Auto Stations:

Name:	PURVIS AUTO REPAIR
Year:	2007
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2008
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2009
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2010
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2011
Address:	4443 PURVES ST
Name:	PURVIS AUTO REPAIR
Year:	2012
Address:	4443 PURVES ST

B8
SSW
< 1/8
0.040 mi.
209 ft.

2801 THOMSON AVE **EDR US Hist Auto Stat** **1015386139**
LONG ISLAND CITY, NY 11101 **N/A**

Site 1 of 6 in cluster B

Relative: Higher

Actual: 20 ft.

EDR Historical Auto Stations:

Name:	JEMA COACH AUTO BODY
Year:	1999
Address:	2801 THOMSON AVE
Name:	ART AUTOMOTIVE LTD
Year:	2006
Address:	2801 THOMSON AVE
Name:	JEMA COACH AUTO BODY
Year:	2008
Address:	2801 THOMSON AVE
Name:	JEMA COACH AUTO BODY
Year:	2009
Address:	2801 THOMSON AVE

(Continued) **1015386139**

Name: JEMA COACH AUTO BODY
Year: 2010
Address: 2801 THOMSON AVE

A9 **44-43 PURVES ST** **NY CBS AST** **S102638733**
ESE **44-43 PURVES ST** **NY Spills** **N/A**
< 1/8 **LONG ISLAND CITY, NY** **NY CBS**
0.040 mi.
211 ft. **Site 8 of 8 in cluster A**

Relative:
Higher

Actual:
23 ft.

CBS AST:

CBS Number:	2-000087
ICS Number:	2-125780
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 937-1413
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	07/07/2001
Total Capacity of All Active Tanks(gal):	0
Operator:	S & M AUTOMATIC PRECISION CO.
Emergency Contact:	G. MIGNAT
Emergency Phone:	(718) 457-9855
Owner Name:	S & M AUTOMATIC PRECISION CO.
Owner Address:	44-43 PURVES ST
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 937-1413
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	S & M AUTOMATIC PRECISION CO.
Mail Contact Addr:	44-43 PURVES ST
Mail Contact Addr2:	Not reported
Mail Contact Contact:	G. MIGNAT
Mail Contact City,St,Zip:	LONG ISLAND CITY, NY 11101
Mail Phone:	(718) 937-1413
Tank Id:	001
CAS Number:	127184
Federal ID:	Not reported
Tank Status:	0
Install Date:	06/79
Tank Closed:	12/99
Capacity (Gal):	500
Chemical:	Tetrachloroethylene
Tank Location:	ABOVEGROUND
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	07/07/1989
Certified Date:	04/14/1999
Substance:	More than one Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	Painted/Asphalt Coating

44-43 PURVES ST (Continued) **S102638733**

Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/07/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	04/01/1999

SPILLS:

Facility ID:	9713189
DER Facility ID:	154694
Facility Type:	ER
Site ID:	184909
DEC Region:	2
Spill Date:	2/26/1998
Spill Number/Closed Date:	9713189 / 5/14/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	2/26/1998
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/26/1998
Spill Record Last Update:	5/22/1998
Spiller Name:	CALLER
Spiller Company:	MARISOL INC
Spiller Address:	213 WEST UNION AVE
Spiller City,St,Zip:	BOUND BROOK, NJ 08805-
Spiller Company:	001
Contact Name:	CALLER

44-43 PURVES ST (Continued) **S102638733**

Contact Phone: (732) 469-5100
DEC Memo: Not reported
Remarks: hose broke on tank truck while delivering product.caller is attorney for company.

Material:
Site ID: 184909
Operable Unit ID: 1056121
Operable Unit: 01
Material ID: 324213
Material Code: 0059A
Material Name: SOLVENTS
Case No.: Not reported
Material FA: Other
Quantity: 100
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

CBS:
CBS Number: 2-000087
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 589363.32235999
UTMY: 4511253.1193899

B10 **EDR US Hist Auto Stat** **1015387175**
South **2811 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.040 mi.
213 ft. **Site 2 of 6 in cluster B**

Relative:
Higher

Actual:
19 ft.

EDR Historical Auto Stations:
Name: MARLING AUTO REPR CORPORATION
Year: 1999
Address: 2811 THOMSON AVE

Name: MARLING AUTO REPR CORPORATION
Year: 2000
Address: 2811 THOMSON AVE

Name: MARLING AUTO REPR INC
Year: 2003
Address: 2811 THOMSON AVE

C11
WNW
< 1/8
0.040 mi.
213 ft.

EDR US Hist Auto Stat **1015381120**
N/A

2723 44TH DR
LONG ISLAND CITY, NY 11101

Site 1 of 5 in cluster C

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name:	NORTHEASTERN AUTO REPAIR INCORPORATED
Year:	1999
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INCORPORATED
Year:	2000
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2001
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2002
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2003
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2004
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2007
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2008
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2009
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTOMOBILE REPAIR INCOR
Year:	2011
Address:	2723 44TH DR
Name:	NORTHEASTERN AUTO REPAIR INC
Year:	2012
Address:	2723 44TH DR

D12 **A A A STAMP & SEAL** **RCRA NonGen / NLR** **1001224371**
North **26-20 JACKSON AVE** **FINDS** **NYR000055889**
< 1/8 **QUEENS, NY 11101** **NY MANIFEST**
0.041 mi.
219 ft. **Site 1 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	A A A STAMP & SEAL
Facility address:	26-20 JACKSON AVE QUEENS, NY 11101
EPA ID:	NYR000055889
Mailing address:	JACKSON AVE QUEENS, NY 11101
Contact:	BARRY GOLDMAN
Contact address:	JACKSON AVE QUEENS, NY 11101
Contact country:	US
Contact telephone:	(718) 361-8087
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JULIUS REINHARDT
Owner/operator address:	1 WOODHOLLOW LANE OLD BROOKVILLE, NY 11545
Owner/operator country:	US
Owner/operator telephone:	(718) 897-0310
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JULIUS REINHARDT
Owner/operator address:	1 WOODHOLLOW LANE OLD BROOKVILLE, NY 11545
Owner/operator country:	US
Owner/operator telephone:	(718) 897-0310
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

A A A STAMP & SEAL (Continued) **1001224371**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: A A A STAMP & SEAL
Classification: Not a generator, verified

Date form received by agency: 06/08/1998
Facility name: A A A STAMP & SEAL
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008103809

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000055889
Country: USA
Mailing Name: AAA STAMP & SEAL
Mailing Contact: BARRY GOLDMAN
Mailing Address: 26-20 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: QUEENS
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-361-8087

Document ID: NYC5398244
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647
Generator Ship Date: 10/13/1998
Trans1 Recv Date: 10/13/1998
Trans2 Recv Date: 10/21/1998
TSD Site Recv Date: 10/29/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000055889
Trans1 EPA ID: SCD077995488
Trans2 EPA ID: Not reported
TSDF ID: LP3931NY

A A A STAMP & SEAL (Continued) **1001224371**

Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	98

B13 **EDR US Hist Auto Stat** **1015380671**
SSW **2718 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.043 mi.
225 ft. **Site 3 of 6 in cluster B**

Relative:
Higher

Actual:
20 ft.

EDR Historical Auto Stations:

Name:	MANNY AUTO ELECTRIC CORP
Year:	2002
Address:	2718 THOMSON AVE

D14 **LOT 6,TAXBLOCK 433** **NY E DESIGNATION** **S108469575**
NNW **26-15 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.045 mi.
238 ft. **Site 2 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	6
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

Owner, Type of Code:	Not reported
Owner Name:	N J F PROPERTIES INC
Lot Area:	000004267
Total Building Floor Area:	00000003433
Commercial Floor Area:	00000003433
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000003433
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.67
Lot Depth:	0100.00
Building Frontage:	0042.92
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000117000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1941
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330006
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000342
Y Coordinate:	0211651
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	6

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	N J F PROPERTIES INC
Lot Area:	000004267
Total Building Floor Area:	00000003433
Commercial Floor Area:	00000003433
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000003433
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.67
Lot Depth:	0100.00
Building Frontage:	0042.92
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000117000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1941

LOT 6,TAXBLOCK 433 (Continued) **S108469575**

Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330006
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000342
Y Coordinate:	0211651
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B15 **EDR US Hist Auto Stat** **1015388679**
SSE **2831 THOMSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.045 mi.
240 ft. **Site 4 of 6 in cluster B**

Relative:
Higher

Actual:
21 ft.

EDR Historical Auto Stations:

Name:	KHANS AUTO REPAIR & COLLISSION
Year:	2011
Address:	2831 THOMSON AVE
Name:	KHANS AUTO REPAIR & COLLISSION
Year:	2012
Address:	2831 THOMSON AVE

B16 **A-1 AUTO COLLISION INC** **RCRA NonGen / NLR** **1000102743**
SSE **2831 THOMSON AVE** **NY MANIFEST** **NYD986884872**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.045 mi.
240 ft. **Site 5 of 6 in cluster B**

Relative:
Higher

Actual:
21 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	A-1 AUTO COLLISION INC
Facility address:	2831 THOMSON AVE LONG ISLAND CITY, NY 111012902
EPA ID:	NYD986884872
Mailing address:	THOMSON AVE LONG ISLAND CITY, NY 11101

A-1 AUTO COLLISION INC (Continued) **1000102743**

Contact: Not reported
Contact address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GLEN TOMPKINS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GLEN TOMPKINS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: A-1 AUTO COLLISION INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: A-1 AUTO COLLISION INC
Classification: Not a generator, verified

A-1 AUTO COLLISION INC (Continued) **1000102743**

Date form received by agency: 12/04/1989
Facility name: A-1 AUTO COLLISION INC
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD986884872
Country: USA
Mailing Name: A 1 AUTO COLLISION INCORPORATED
Mailing Contact: TOMPKINS R GLEN
Mailing Address: 2831 THOMSON AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-0024

Document ID: NJA1317333
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 920218
Trans1 Recv Date: 920218
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920219
Part A Recv Date: 920227
Part B Recv Date: 920303
Generator EPA ID: NYD986884872
Trans1 EPA ID: NJD986608941
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F003 - UNKNOWN
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 92

Document ID: NJA0963706
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 901206
Trans1 Recv Date: 901206
Trans2 Recv Date: Not reported
TSD Site Recv Date: 901207
Part A Recv Date: 901231
Part B Recv Date: 910115
Generator EPA ID: NYD986884872
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported

A-1 AUTO COLLISION INC (Continued) **1000102743**

TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00070
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

B17 **VAULT#3073** **NY Spills** **S107408525**
South **2740 THOMASON AVE** **N/A**
< 1/8 **QUEENS, NY**
0.046 mi.
241 ft. **Site 6 of 6 in cluster B**

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	0506520
DER Facility ID:	299029
Facility Type:	ER
Site ID:	351752
DEC Region:	2
Spill Date:	8/25/2005
Spill Number/Closed Date:	0506520 / 1/10/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	8/26/2005
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/26/2005
Spill Record Last Update:	1/10/2008
Spiller Name:	ERT DESK'
Spiller Company:	VAULT#3073
Spiller Address:	2740 THOMASON AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK'
Contact Phone:	(212) 580-8383
DEC Memo:	01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.160721. 8/25/2005 15:00 HRS. T. DIDONATO #26557, SPLICER WITH EQUIPMENT GROUP, REPORTS ON LOCATION FOR INSPECTION OF V-3073 (ACCT # C3238) AND WHILE REMOVING A DEFECTIVE SUMP PUMP AT 14:40 HRS. HE FOUND APPROX. 1 QT UNKNOWN OIL MIXED IN WITH DIRT ON FLOOR OF VAULT. TRANSFORMER WILL BE PRESSURE-TESTED TO DETERMINE IF IT IS LEAKING.NO OIL FOUND IN SUMP PIT OR SUMP PUMP PIPING. SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. NO PRIVATE

VAULT#3073 (Continued) **S107408525**

PROPERTY AFFECTED. NO FIRE OR SMOKE INVOLVED. ENV STOP TAG 44487 PLACED. OIL SAMPLE WILL BE TAKEN ON "E" PRIORITY TURNAROUND. CHAIN OF CUSTODY FORM DD-12108 MARKED FOR PCB TEST. CLEANUP PENDING PRESSURE TEST RESULTS AND PCB SAMPLE RESULTS.** TRANSFORMER INFORMATION FROM E.C.C. WAREHOUSE:** Serial ID: 8172233, MFG Code: GE, KVA: 500, Mfr. Date: 05/01/1948, Install Date: 11/17/1993.** HISTORICAL PCB RESULTS DATED 06/27/2001: 26 PPM, LAB SEQ # 01-05129-001.-- W. WAINWRIGHT #17344 --8/25/2005 15:47 HRS. -- T. DIDONATO REPORTS HE IS CONDEMNING TRANSFORMER DUE TO OIL LEAK AND HE WILL TAKE AN OIL SAMPLE FROM TRANSFORMER. UNABLE TO GET A LIQUID SAMPLE FROM STRUCTURE. ** INITIAL CLEANUP PENDING PCB RESULTS FROM CHEM LAB.** FINAL CLEANUP PENDING TRANSFORMER REMOVAL. -- W.W. #17344 --8/25/2005 16:00 HRS. -- T. DIDONATO REPORTS SAMPLE WILL BE SENT TO CHEM LAB USING CHAIN OF CUSTODY FORM # DD-12019 (WAS PREVIOUSLY REPORTED AS # DD-12018). -- W.W. #17344 Lab Sequence Number: 05-08946-001 Aroclor 1260 19.3 ppm EPA 608/8082.8/26/2005 13:40 HRS. -- ENV. DESK SUPERVISOR D. HEARNS REPORTS HE SPOKE WITH SHIFT MANAGER K. SUDOL AND TRANSFORMER WILL NOT BE REMOVED UNTIL SOMETIME NEXT WEEK. INCIDENT TO BE REMOVED FROM 72-HOUR DEMINIMIS BECAUSE CLEANUP CANNOT BE COMPLETED UNTIL TRANSFORMER IS REMOVED.INCIDENT TYPE CHANGED TO "SPILL - DIELECTRIC" AND SHORT DESCRIPTION UPDATED FROM "UNKNOWN OIL" TO "TRANSFORMER OIL" (AS PER UPDATE ON 8/25/2005 15:47 HRS. -- W.W. #17344 --

Remarks: from transformer will condenm: coned # 160721: no to 4 questions: need to deenergize feeder coming off 72 hour clock:

Material:

Site ID:	351752
Operable Unit ID:	1109257
Operable Unit:	01
Material ID:	2099248
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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18 **LOT 8,TAXBLOCK 433** **NY E DESIGNATION** **S108469582**
NW **26-11 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.046 mi.
244 ft.

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 JACKSON AVENUE LLC
Lot Area:	000006450
Total Building Floor Area:	00000015500
Commercial Floor Area:	00000015500
Office Floor Area:	00000006500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000009000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0064.42
Lot Depth:	0100.00
Building Frontage:	0064.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000090000
Total Assessed Value:	00000266400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1961
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.40
Maximum Allowable Far:	10.00

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Borough Code:	4
Borough Tax Block And Lot:	4004330008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000308
Y Coordinate:	0211612
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 JACKSON AVENUE LLC
Lot Area:	000006450
Total Building Floor Area:	00000015500
Commercial Floor Area:	00000015500
Office Floor Area:	00000006500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 8,TAXBLOCK 433 (Continued) **S108469582**

Storage Floor Area:	00000000000
Factory Floor Area:	00000009000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0064.42
Lot Depth:	0100.00
Building Frontage:	0064.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000090000
Total Assessed Value:	00000266400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1961
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000308
Y Coordinate:	0211612
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D19 **LOT 5,TAXBLOCK 433** **NY E DESIGNATION** **S108469573**
NNW **26-19 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.046 mi.
244 ft. **Site 3 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	5
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISABEL NADEL
Lot Area:	000002500
Total Building Floor Area:	00000005050
Commercial Floor Area:	00000005050
Office Floor Area:	00000000000
Retail Floor Area:	00000002525
Garage Floor Area:	00000000000
Storage Floor Area:	00000002525
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000069750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.02
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330005
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000383
Y Coordinate:	0211644
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	5
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISABEL NADEL
Lot Area:	000002500
Total Building Floor Area:	00000005050
Commercial Floor Area:	00000005050
Office Floor Area:	00000000000
Retail Floor Area:	00000002525
Garage Floor Area:	00000000000
Storage Floor Area:	00000002525
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000069750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.02
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330005
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000383
Y Coordinate:	0211644
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 5,TAXBLOCK 433 (Continued) **S108469573**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

20
SW
< 1/8
0.047 mi.
247 ft.

2719 THOMSON AVE
LONG ISLAND CITY, NY 11101

EDR US Hist Auto Stat **1015380738**
N/A

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name: MANNY AUTO ELECTRIC CORP
Year: 2001
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2003
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2004
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2006
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2007
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2008
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2009
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CO
Year: 2010
Address: 2719 THOMSON AVE

Name: MANNY AUTOMOBILE ELECTRIC CORPORATIO
Year: 2011
Address: 2719 THOMSON AVE

Name: MANNY AUTO ELECTRIC CORP
Year: 2012
Address: 2719 THOMSON AVE

D21 **EDR US Hist Auto Stat** **1015373208**
NNW **2615 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.047 mi.
249 ft. **Site 4 of 15 in cluster D**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	MOE TAXI & BLACK CAR SRVC CTR
Year:	2001
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SRVC CTR
Year:	2002
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SERVICE CENTER
Year:	2006
Address:	2615 JACKSON AVE
Name:	MOE TAXI & BLACK CAR SERVICE CENTER
Year:	2007
Address:	2615 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2008
Address:	2615 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2009
Address:	2615 JACKSON AVE

D22 **LOT 4,TAXBLOCK 433** **NY E DESIGNATION** **S109318001**
North **26-21 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.048 mi.
251 ft. **Site 5 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	4
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-21 JACKSON
Lot Area:	000002000
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000001155
Office Floor Area:	00000000000
Retail Floor Area:	00000001155
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0055.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000004551
Total Assessed Value:	00000019780
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.75
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330004
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000385
Y Coordinate:	0211681
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	4
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-21 JACKSON
Lot Area:	000002000
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000001155
Office Floor Area:	00000000000
Retail Floor Area:	00000001155
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0055.00
Proximity Code:	0
Irregular Lot Code:	N

LOT 4,TAXBLOCK 433 (Continued) **S109318001**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000004551
Total Assessed Value:	00000019780
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.75
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330004
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000385
Y Coordinate:	0211681
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D23 **SEAL-KAP PACKAGING INC** **RCRA NonGen / NLR** **1000275468**
North **11-5 44TH DR** **FINDS** **NYD061944187**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.048 mi.
256 ft. **Site 6 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SEAL-KAP PACKAGING INC
Facility address:	11-5 44TH DR LONG ISLAND CITY, NY 11101
EPA ID:	NYD061944187
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

SEAL-KAP PACKAGING INC (Continued) **1000275468**

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SEAL-KAP PACKAGING INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: SEAL-KAP PACKAGING INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/19/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SEAL-KAP PACKAGING INC (Continued) **1000275468**

FINDS:

Registry ID: 110004362715

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C24 **EDR US Hist Auto Stat** **1015372098**
NW **2604 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.050 mi.
266 ft. **Site 2 of 5 in cluster C**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:
Name: LJ REPAIR & MAINTENANCE
Year: 2006
Address: 2604 JACKSON AVE

C25 **EDR US Hist Auto Stat** **1015379566**
WNW **2707 44TH DR** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.051 mi.
270 ft. **Site 3 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:
Name: CH AUTO REPAIR
Year: 2003
Address: 2707 44TH DR

Name: CH AUTO REPAIR INC
Year: 2004
Address: 2707 44TH DR

D26 **LOT 1,TAXBLOCK 433** **NY E DESIGNATION** **S109317996**
North **26-27 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.051 mi.
271 ft. **Site 7 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:
Tax Lot(s): 1
E-No: E-104
Effective Date: 7/26/2001
Satisfaction Date: Not reported
Ceqr Number: 00DCP055Q
Ulurp Number: 000406(A)ZMQ
Zoning Map No: 8d, 9b
Description: Underground Gasoline Storage Tanks* Testing Protocol.

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2627 REALTY CORP
Lot Area:	000002000
Total Building Floor Area:	00000003900
Commercial Floor Area:	00000003900
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000003900
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000061200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1945
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.95
Maximum Allowable Far:	10.00

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Borough Code:	4
Borough Tax Block And Lot:	4004330001
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000446
Y Coordinate:	0211678
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	1
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2627 REALTY CORP
Lot Area:	000002000
Total Building Floor Area:	00000003900
Commercial Floor Area:	00000003900
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 1,TAXBLOCK 433 (Continued) **S109317996**

Storage Floor Area:	00000000000
Factory Floor Area:	00000003900
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000061200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1945
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.95
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330001
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000446
Y Coordinate:	0211678
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D27 **CONED MANHOLE#515** **NY Spills** **S106698169**
North **PURVES STREET/JACKSON** **N/A**
< 1/8 **QUEENS, NY**
0.051 mi.
271 ft. **Site 8 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

SPILLS:

Facility ID:	0405105
DER Facility ID:	135180
Facility Type:	ER
Site ID:	160044
DEC Region:	2
Spill Date:	8/9/2004
Spill Number/Closed Date:	0405105 / 10/23/2006
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/10/2004
CID:	444
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/10/2004
Spill Record Last Update:	10/23/2006
Spiller Name:	ERT DESK
Spiller Company:	CONED MANHOLE #515
Spiller Address:	PURVES STREET/JACKSON
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 154784:APPROX 2-GALLONS OF UNKNOWN OIL ON 150 GALLONS OF WATER IN MH-515. IT APPEARS TO BE CONTAINED. CLEANUP PENDING TEST RESULT.Lab Sequence Number: 04-06282-001 PCB <1 ppm.
Remarks:	on 150 gallons of water: TAKING OFF THE 24 HR CLOCK: NEED TIME TO GET REPAIRED ON MIDNIGHT SHIFT: NO TO 5 QUESTIOS: CONED # 154784

Material:

Site ID:	160044
Operable Unit ID:	887979
Operable Unit:	01
Material ID:	489124
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons

CONED MANHOLE#515 (Continued) **S106698169**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

D28 **LOT 2,TAXBLOCK 433** **NY E DESIGNATION** **S109317998**
North **26-25 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.051 mi.
271 ft. **Site 9 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	2
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-25 JACKSON L.L.C.
Lot Area:	000002000
Total Building Floor Area:	00000002400
Commercial Floor Area:	00000000800
Office Floor Area:	00000000000
Retail Floor Area:	00000000800
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000006240
Total Assessed Value:	00000022380
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330002
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000415
Y Coordinate:	0211703
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	2
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	26-25 JACKSON L.L.C.
Lot Area:	000002000
Total Building Floor Area:	00000002400
Commercial Floor Area:	00000000800
Office Floor Area:	00000000000
Retail Floor Area:	00000000800
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000006240
Total Assessed Value:	00000022380
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330002
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000415
Y Coordinate:	0211703
Zoning Map:	09B

LOT 2,TAXBLOCK 433 (Continued) **S109317998**

Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D29 **COMMERCIAL AREA** **NY Spills** **S106698303**
North **PERVES ST/ OF JACKSON AV** **N/A**
< 1/8 **QUEENS, NY**
0.053 mi.
280 ft. **Site 10 of 15 in cluster D**

Relative:
Lower

Actual:
12 ft.

SPILLS:

Facility ID:	0405305
DER Facility ID:	150632
Facility Type:	ER
Site ID:	179492
DEC Region:	2
Spill Date:	8/14/2004
Spill Number/Closed Date:	0405305 / 10/28/2004
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	8/14/2004
CID:	71
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/14/2004
Spill Record Last Update:	10/28/2004
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	ERT desk reports Location- e/s Purves St., 500 ft s/o Jackson Ave, Queen, LIC - Vactor vehicle #60624 inadvertently released 1500 gallons of oil/water substance onto street and sewer. The back latch was not fully engaged, thus when the vactor reached it capacity (1500

COMMERCIAL AREA (Continued) **S106698303**

gallons) and the vacuum stopped, the seal from the rear latched opened thus releasing it contents. Con Edison crews quickly repaired rear vactor and then vacuumed the affected sewer pumping 1500 gallons + 500 gallons from another vactor = 2000 gallons. I responded to location along with DEC Tim DeMeo & DEP Keith Williams. There were NO signs of oil in the affected sewer. Both DEC & DEP were satisfied with Con Edison's cleanup operations to the affected street & sewer. DEP Williams indicated that this sewer was a combination type which leads to a sewer treatment plant. Cleanup operation completed.

Remarks: BROKEN SEAL ON VACTOR TRUCK LEAKED 1500 GAL WHICH RAN INTO A STORM DRAIN. CLEAN UP PENDING - CREWS ON SITE. eMIS # 154890.

Material:

Site ID:	179492
Operable Unit ID:	888087
Operable Unit:	01
Material ID:	489419
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1500
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D30 **RESIDENTS** **NY Spills** **S106009288**
North **10-33 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.055 mi.
292 ft. **Site 11 of 15 in cluster D**

Relative:
Lower

Actual:
11 ft.

SPILLS:

Facility ID:	0208454
DER Facility ID:	226966
Facility Type:	ER
Site ID:	279512
DEC Region:	2
Spill Date:	11/14/2002
Spill Number/Closed Date:	0208454 / 9/29/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/14/2002
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

RESIDENTS (Continued) **S106009288**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/14/2002
Spill Record Last Update:	9/29/2003
Spiller Name:	SAME
Spiller Company:	MYSTIC CARRIERS
Spiller Address:	19-01 STEINWAY STREET
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller Company:	001
Contact Name:	PABLO RODRIGUEZ
Contact Phone:	(800) 635-3835
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"9/29/03 TJDMinor spill. Cleaned by Mystic with absorbents. No further action required.
Remarks:	a faulty vent alarm caused the spill.the spill was cleaned upby mystic Not reported

Material:

Site ID:	279512
Operable Unit ID:	859877
Operable Unit:	01
Material ID:	515458
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D31 **LOT 3,TAXBLOCK 433** **NY E DESIGNATION** **S109317999**
North **26-23 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.055 mi.
292 ft. **Site 12 of 15 in cluster D**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	3
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	MARIA KUI
Lot Area:	000002000
Total Building Floor Area:	00000003351
Commercial Floor Area:	00000001106
Office Floor Area:	00000000000
Retail Floor Area:	00000001106
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000005291
Total Assessed Value:	00000019537
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.68
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330003
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000413
Y Coordinate:	0211660
Zoning Map:	09B

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	3
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	MARIA KUI
Lot Area:	000002000
Total Building Floor Area:	00000003351
Commercial Floor Area:	00000001106
Office Floor Area:	00000000000
Retail Floor Area:	00000001106
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002

LOT 3,TAXBLOCK 433 (Continued) **S109317999**

Non and Residential Units:	00003
Lot Frontage:	0020.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000005291
Total Assessed Value:	00000019537
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.68
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330003
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000413
Y Coordinate:	0211660
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D32 **EDR US Hist Auto Stat** **1015374181**
North **2626 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.056 mi.
296 ft. **Site 13 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2002
Address:	2626 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2003
Address:	2626 JACKSON AVE
Name:	CT RIDE DISCOUNT AUTO REPAIR
Year:	2004

(Continued) **1015374181**

Address: 2626 JACKSON AVE

Name: CT RIDE DISCOUNT AUTO REPAIR
Year: 2005
Address: 2626 JACKSON AVE

Name: CT RIDE DISCOUNT AUTO REPAIR
Year: 2006
Address: 2626 JACKSON AVE

C33 **SPILL NUMBER 0208224** **NY Spills** **S106009138**
WNW **JACKSON AV & 44TH DR** **N/A**
< 1/8 **QUEENS, NY**
0.057 mi.
300 ft. **Site 4 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

SPILLS:

Facility ID:	0208224
DER Facility ID:	231269
Facility Type:	ER
Site ID:	285206
DEC Region:	2
Spill Date:	11/8/2002
Spill Number/Closed Date:	0208224 / 11/8/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	11/8/2002
CID:	297
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/8/2002
Spill Record Last Update:	11/8/2002
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	KEVIN MCARDLE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 145-953:11/08/02=0140HRSVEHICLE #603 SPILLED APPROX. 9-GALLONS OF HYDRAUKIC FLUID FROM 2" HOSE REEL DRIVE ONTO ASPHALT AT JACKSON AVE & 44 DRIVE. IT IS CONTAINED. NO SEWERS OR WATERWAYS EFFECTED. DIAPERS PLACED.CLEANUP IN PROGRESS.11/08/02=030HRSCLEANUP COMPLETED. VEHICLE WILL BE TURNED IN TO TRANSP.
Remarks:	AN HYDRAULIC LINE RUPTURED ON A CON ED REEL VEHICLE, CLEAN UP CREWS

SPILL NUMBER 0208224 (Continued) **S106009138**

ON SITE - CON ED SPILL #145953

Material:

Site ID:	285206
Operable Unit ID:	859742
Operable Unit:	01
Material ID:	515225
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	9
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C34 **NYCTA** **RCRA NonGen / NLR** **1004759192**
WNW **44TH DR & JACKSON AVE** **FINDS** **NYR000001032**
< 1/8 **LONG ISLAND CITY, NY**
0.057 mi.
301 ft. **Site 5 of 5 in cluster C**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYCTA
Facility address:	44TH DR & JACKSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000001032
Mailing address:	LIVINGSTON ST BROOKLYN, NY 112015190
Contact:	JOHN HENSLEY
Contact address:	LIVINGSTON ST BROOKLYN, NY 112015190
Contact country:	US
Contact telephone:	(516) 867-7395
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEW YORK CITY TRANSIT AUTHORITY
Owner/operator address:	130 LIVINGSTON ST BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 694-5290
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT AUTHORITY
Owner/operator address:	130 LIVINGSTON ST

NYCTA (Continued) **1004759192**

BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 694-5290
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCTA
Classification: Not a generator, verified

Date form received by agency: 02/28/1995
Facility name: NYCTA
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008088835

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D35 **GASGO PETROLEUM INC** **NY UST** **U000394734**
NNE **27-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.060 mi.
315 ft. **Site 14 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

UST:

Id/Status:	2-090565 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/08/24
UTM X:	589379.1875
UTM Y:	4511273.5
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	2216
Affiliation Type:	Emergency Contact
Company Name:	MAZZA & AVENA INC
Contact Type:	Not reported
Contact Name:	MICHAEL MAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 539-5284
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Site Id:	2216
Affiliation Type:	Facility Owner
Company Name:	MAZZA & AVENA INC
Contact Type:	PRESIDENT
Contact Name:	BALBIR S. SANDHU
Address1:	166-11 27TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11358
Country Code:	001
Phone:	(718) 539-5284
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Site Id:	2216
Affiliation Type:	Mail Contact
Company Name:	MAZZA & AVENA INC
Contact Type:	Not reported
Contact Name:	MICHAEL MAZZA
Address1:	166-11 27TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY

GASGO PETROLEUM INC (Continued) **U000394734**

Zip Code:	11358
Country Code:	001
Phone:	(718) 539-5284
EMail:	SANDHU025@YAHOO.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/12/2012

Site Id:	2216
Affiliation Type:	On-Site Operator
Company Name:	GASGO PETROLEUM INC
Contact Type:	Not reported
Contact Name:	BALBIR S. SANDHU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-2687
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/8/2007

Tank Info:

Tank Number:	001
Tank ID:	3507
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1956
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

GASGO PETROLEUM INC (Continued) **U000394734**

Tank Number: 002
Tank ID: 3508
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1956
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 003
Tank ID: 3509
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None

GASGO PETROLEUM INC (Continued) **U000394734**

B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 004
Tank ID: 3510
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 005
Tank ID: 3511
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 05/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

GASGO PETROLEUM INC (Continued) **U000394734**

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number:	006
Tank ID:	3512
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1966
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number:	007
Tank ID:	3513
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1966
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

GASGO PETROLEUM INC (Continued) **U000394734**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser

Tank Number: 008
Tank ID: 3514
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 009
Tank ID: 3515
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000

GASGO PETROLEUM INC (Continued) **U000394734**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Number: 010
Tank ID: 3516
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 10/01/1966
Date Tank Closed: 02/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 011

GASGO PETROLEUM INC (Continued) **U000394734**

Tank ID: 3517
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
C01 - Pipe Location - Aboveground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 012
Tank ID: 3518
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

GASGO PETROLEUM INC (Continued) **U000394734**

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 013
Tank ID: 55357
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

Tank Number: 014
Tank ID: 55358
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/2000
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground

GASGO PETROLEUM INC (Continued) **U000394734**

Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/12/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

D36 **EDR US Hist Auto Stat** **1015378948**
NNE **2701 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.062 mi.
327 ft. **Site 15 of 15 in cluster D**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name: 2701 SERVICE STATION
Year: 2002
Address: 2701 JACKSON AVE

Name: JACKSON AVE AUTO REPAIR INC
Year: 2003
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2004
Address: 2701 JACKSON AVE

Name: NESTOR AUTO REPAIR INC
Year: 2005
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2006
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2007
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC

(Continued) **1015378948**

Year: 2008
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2009
Address: 2701 JACKSON AVE

Name: GASGO PETROLEUM INC
Year: 2010
Address: 2701 JACKSON AVE

Name: NESTOR AUTOMOBILE REPAIR INCORPORATE
Year: 2011
Address: 2701 JACKSON AVE

Name: NESTOR AUTO REPAIR INC
Year: 2012
Address: 2701 JACKSON AVE

37
West
< 1/8
0.078 mi.
413 ft.

LONG ISLAND CITY COURTHOUSE **NY AST** **U004159736**
25-10 COURTHOUSE SQUARE **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
16 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-217042
Program Type: PBS
UTM X: 589236.58372
UTM Y: 4511172.6204700004
Expiration Date: 2017/10/15
Site Type: Municipality (Incl. Waste Water Treatment Plants,

Affiliation Records:
Site Id: 8192
Affiliation Type: On-Site Operator
Company Name: LONG ISLAND CITY COURTHOUSE
Contact Type: Not reported
Contact Name: JAMES GLENKA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 392-4230
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 12/22/2010

Site Id: 8192
Affiliation Type: Mail Contact
Company Name: NYC DEPT OF CITYWIDE ADMINISTRATIVE SERVICES
Contact Type: Not reported

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

Contact Name:	THOMAS DECKER
Address1:	1 CENTRE STREET
Address2:	16TH FLOOR NORTH
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-4890
EMail:	TDECKER@DCAS.NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/23/2010

Site Id:	8192
Affiliation Type:	Emergency Contact
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	Not reported
Contact Name:	THOMAS DECKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 560-9176
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/5/2012

Site Id:	8192
Affiliation Type:	Facility Owner
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	CHIEF ENGINEER
Contact Name:	JOSEPH WAGNER
Address1:	1 CENTRE STREET, 16TH FLOOR NORTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	11/6/2012

Tank Info:

Tank Number:	1
Tank Id:	22457
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 8000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 2
Tank Id: 22458
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 12000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR

LONG ISLAND CITY COURTHOUSE (Continued) **U004159736**

Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 3
Tank Id: 22459
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
I00 - Overfill - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1958
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 12/22/2010
Material Name: #2 Fuel Oil (On-Site Consumption)

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38 **GASGO** **NY Spills** **S104510008**
NNE **27-01 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.079 mi.
416 ft.

Relative:
Lower

Actual:
13 ft.

SPILLS:
Facility ID: 9913082
DER Facility ID: 101610
Facility Type: ER
Site ID: 116791
DEC Region: 2
Spill Date: 2/16/2000
Spill Number/Closed Date: 9913082 / Not Reported
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: JKKANN
Referred To: WP APPRVD 5/23/13

GASGO (Continued) **S104510008**

Reported to Dept:	2/17/2000
CID:	323
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	2/17/2000
Spill Record Last Update:	5/23/2013
Spiller Name:	MICHAEL MAZZA
Spiller Company:	GASGO
Spiller Address:	27-01 JACKSON AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller Company:	999
Contact Name:	FRANCIS ONAGA
Contact Phone:	(732) 390-0969
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"2/17/2000 ECO Lum was at the site and wrote a ticket for failure to notify. After Lum issued ticket, this call was received on the Hotline. Rommel said the site appeared to be within standards, tanks were excavated, soil was stock piled and covered. Anticipate sample report to be submitted soon.07/18/2005: Sent letter to Michael Mazza, site owner, requesting information. M. Brand NYSDEC DER Albany.07/27/2005: Spoke with Michael Mazza, site owner. Site was completely renovated, 10 old tanks removed, four new tanks installed, 600-700 tons of contaminated soil removed. Mazza will send in information. M. Brand NYSDEC DER Albany.08/03/2005: Received information from site owner. Information included:- Disposal tickets and invoices for the off-site disposal of 698.01 tons of contaminated soil;- Laboratory analyses for samples of stockpiled soil;- Test results for gasoline dispensers and new tanks dated 09/19/2002 (for new tanks installed in 2000);- Petroleum Bulk Storage Registration Certificate for four new tanks installed on 02/01/2000; and,- Invoice for recent inspection (03/01/2004) of facility and underground tanks by the NYC Fire Department Bureau of Fire Protection. M. Brand NYSDEC DER Albany.09/07/2005: Information reviewed and determined to be acceptable documentation of site cleanup. Site closed and NFA letter sent to site owner. M. Brand NYSDEC DER Albany.5/10/13-Vought-Received email from NYCOER Shaminder Chawla (Ph:212-442-3007 email ShaminderC@dep.nyc.gov) that "I have one Pre-App meeting today at 10 AM. Site is an old Gas station with closed spill #9913082. BTEX in soil: 139,000 ppb BTEX in gw: 353,700 ppb Attached figure indicates gw plume migration. If you are available, I like to talk about this around 9.45 AM". Attached to email was PDF with site plan and soil and groundwater data that was recently collected in 5/3/13. Vought spoke with RSE and spill reopened due to possible off-site migration of petroleum contaminants that was unknown at the time of this closure, Environmental conditions related to this spill case which were unknown to the Department at the time of this closure and information received, in whole or part, after the Department's spill case closure, which indicates the corrective action was not sufficiently protective of human health and/or the environment. Spill assigned to DEC Kann as

GASGO (Continued) **S104510008**

per RSE and Vought provided information for Kann to NYCOER Chawla. Groundwater analyticals recently collected show up to 353,700ppb BTEX and soil up to 139,000ppb BTEX. OER Chawla noted that a new purchaser has three weeks to decide to buy the site and their decision is partially based on DEC requirements and would like to set up a meeting on 5/13 to discuss. OER Chawla noted that they are looking to develop site with a slab on grade foundation with ground floor retail shops. OER Chawla noted that tank location was excavated to 11'bg to groundwater and sidewalk along 43rd Street was also excavated to 11'bg as part of a utility installation. Vought noted that a RAP must be approved prior to site development.5/10/13: J.Kann - left a phone message for Shaminder Chawla (OER) and also sent an email to him requesting any additional information that he may have on the site (i.e. is there a complete report that was prepared by Advanced Cleanup Technologies?).5/13/13: J.Kann - received a Phase II from ACT. A tank closure report from 2000 was also submitted. Scheduled a meeting for Wednesday may 15 at 9am. Spoke to Shaminder Chawla at OER and Paul Stewart of ACT. Meeting time is acceptable.5/15/13: J.Kann - met with potential buyer of the property, their attorney and environmental consultant. Shaminder Chawla of OER was also present. Sign in sheet is edoced. Discussed steps in moving forward and possible requirements for remediation (which includes off-site gw well installation and sampling, as well as on-site excavation below groundwater).5/23/13: J.Kann - recvd a work plan from ACT on 5/22/13 which included the installation of 5 off site wells. Approval letter was sent on 5/23 noting that one proposed well was on the other side of a subway line (edoced).

Remarks: WHILE UNCOVERING TANKS FOR REMOVAL, CONTAMINATED SOIL WAS DISCOVERED. SAMPLES TAKEN.

Material:

Site ID:	116791
Operable Unit ID:	1087622
Operable Unit:	01
Material ID:	294942
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

39
WNW
< 1/8
0.080 mi.
421 ft.

LOT 12,TAXBLOCK 433
25-25 44 DRIVE
QUEENS, NY 11101

NY E DESIGNATION **S108469532**
N/A

Relative:
Higher

Actual:
17 ft.

E DESIGNATION:

Tax Lot(s):	12
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2525 44 DRIVE LLC C/O
Lot Area:	000020000
Total Building Floor Area:	00000004320
Commercial Floor Area:	00000004320
Office Floor Area:	00000004320
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0128.00
Lot Depth:	0115.50
Building Frontage:	0080.00
Building Depth:	0054.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

Basement Type Grade:	5
Land Assessed Value:	00000202500
Total Assessed Value:	00000315000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.22
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330012
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000165
Y Coordinate:	0211633
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	12
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	2525 44 DRIVE LLC C/O
Lot Area:	000020000
Total Building Floor Area:	00000004320
Commercial Floor Area:	00000004320
Office Floor Area:	00000004320
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0128.00
Lot Depth:	0115.50
Building Frontage:	0080.00
Building Depth:	0054.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000202500
Total Assessed Value:	00000315000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.22
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330012
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000165
Y Coordinate:	0211633
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 12,TAXBLOCK 433 (Continued) **S108469532**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

E40 **MANHOLE # 2353** **NY Spills** **S106720457**
NNE **JACKSON VAE/DUTCHKILL STR** **N/A**
< 1/8 **QUEENS, NY**
0.089 mi.
471 ft. **Site 1 of 6 in cluster E**

Relative:
Higher

Actual:
14 ft.

SPILLS:

Facility ID:	0409173
DER Facility ID:	269247
Facility Type:	ER
Site ID:	334038
DEC Region:	2
Spill Date:	11/11/2004
Spill Number/Closed Date:	0409173 / 1/13/2005
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	11/11/2004
CID:	41
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/19/2004
Spill Record Last Update:	5/31/2005
Spiller Name:	ERT DESK
Spiller Company:	MANHOLE # 2353
Spiller Address:	JACKSON VAE/DUTCHKILL STR
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	11/11/04 1326hrs - Paul Kelly found 1 gallon unknown oil on 300 gallons water in M2353. No fire/smoke involved. No sewers or waterways affected. No private property affected. Sample taken. Env. stop tag # 42315 placed. Clean up pending test results. UPDATE 11/11/04 18:27 HRS AS PER PRIOR SOAAX ON DESK THIS IS BEING CLEANED AS 50-499, A TANKER HAS BEEN ORDERED, NO EPA REQUIRED PER MANIFEST PROGRAM, THIS FEEDER 1Q07 IS CURRENTLY OFF.UPDATE 11/11/04 18:53 HRS ENV SUPV J. DEKANCHUK REPORTS FINDING AN EARTHEN SUMP, INCIDENT TO BE REMOVED FROM 24 HOUR PROGRAM.UPDATE 11/11/04 19:48 HRS EPA NYP 004 126 801 ISSUED FOR 3 BARRELS OF WASTE AND PPE.Lab Sequence Number: 04-09409-001 - PCBs < 1 ppmOPERATING SUPERVISOR J. DEKANCHUK REPORTS 50 - 499 CLEAN UP PERFORMED. CORP. TANKER REMOVED 590 GALS OF WATER FROM MH 2353. ENVIRONMENTAL OPS CREW REMOVED THREE BARRELS OF SOLID WASTE. A EARTHEN SUMP WAS FOUND. SUMP WAS DUG OUT TO CLEAN SOIL AND

MANHOLE # 2353 (Continued) **S106720457**

SAMPLED. SUMP WAS SEALED WITH CEMENT. MH WAS DOUBLE WASHED WITH BIO GEN 760, WASH WATER WAS PUMPED INTO TANKER. BARRELS WERE PICKED UP BY ASTORIA TRANSPORTATION. A S PER PHONE CALL TO ASTORIA CHEM LAB PCB RESULTS WERE LESS THAN ONE PPM. ENVIRONMENTAL TAG # 42315 WAS REMOVED JOB IS COMPLETE AS OF 2215 HRS11-11-04

Remarks: ON 300 GALLONS OF WATER: CONED # 156214

Material:

Tank Test:

E41
NNE
< 1/8
0.089 mi.
472 ft.

Relative:
Higher

Actual:
14 ft.

NYSDOT - THOMSON AVENUE BRIDGE
JACKSON AVE & DUTCH KILLS RD
LONG ISLAND CITY, NY

RCRA NonGen / NLR **1000554113**
FINDS **NYD986965705**

Site 2 of 6 in cluster E

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT - THOMSON AVENUE BRIDGE
Facility address:	JACKSON AVE & DUTCH KILLS RD LONG ISLAND CITY, NY 11101
EPA ID:	NYD986965705
Mailing address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact:	JOSEPH FARO
Contact address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-7017
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT
Owner/operator address:	ONE HUNTERS POINT PLZ LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 482-4801
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT
Owner/operator address:	ONE HUNTERS POINT PLZ LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 482-4801
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

NYSDOT - THOMSON AVENUE BRIDGE (Continued) **1000554113**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Facility name: NYSDOT - THOMSON AVENUE BRIDGE
- Classification: Not a generator, verified

- Date form received by agency: 08/02/1991
- Facility name: NYSDOT - THOMSON AVENUE BRIDGE
- Classification: Not a generator, verified

- Violation Status: No violations found

FINDS:

- Registry ID: 110008064995

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

F42 **LOT 35,TAXBLOCK 433** **NY E DESIGNATION** **S108469561**
NNW **43-15 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.099 mi.
522 ft. **Site 1 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:
- Tax Lot(s): 35
- E-No: E-104
- Effective Date: 7/26/2001
- Satisfaction Date: Not reported
- Ceqr Number: 00DCP055Q
- Ulurp Number: 000406(A)ZMQ
- Zoning Map No: 8d, 9b
- Description: Underground Gasoline Storage Tanks* Testing Protocol.
- Borough Code: QN

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B2
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-15 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001992
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0036.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003330
Total Assessed Value:	00000018679
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Borough Tax Block And Lot:	4004330035
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000273
Y Coordinate:	0211765
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	35
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B2
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-15 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001992
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000

LOT 35,TAXBLOCK 433 (Continued) **S108469561**

Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0036.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003330
Total Assessed Value:	00000018679
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.80
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330035
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000273
Y Coordinate:	0211765
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F43 **LOT 31,TAXBLOCK 433** **NY E DESIGNATION** **S108469556**
NNW **43-25 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.100 mi.
526 ft. **Site 2 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	31
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	CENTRALIZED LABORATOR
Lot Area:	000014292
Total Building Floor Area:	00000020000
Commercial Floor Area:	00000020000
Office Floor Area:	00000010000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000010000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0200.00
Building Frontage:	0100.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000193500
Total Assessed Value:	00000549000
Land Exempt Value:	00000193500
Total Exempt Value:	00000549000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330031
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000226
Y Coordinate:	0211723
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	31
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	CENTRALIZED LABORATOR
Lot Area:	000014292
Total Building Floor Area:	00000020000

LOT 31,TAXBLOCK 433 (Continued) **S108469556**

Commercial Floor Area:	00000020000
Office Floor Area:	00000010000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000010000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0200.00
Building Frontage:	0100.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000193500
Total Assessed Value:	00000549000
Land Exempt Value:	00000193500
Total Exempt Value:	00000549000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.40
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330031
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000226
Y Coordinate:	0211723
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F44 **CENTRALIZED LAB SERVICES INC** **RCRA NonGen / NLR** **1000418525**
NNW **43-25 HUNTER ST** **FINDS** **NYD057430100**
< 1/8 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.100 mi.
526 ft. **Site 3 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CENTRALIZED LAB SERVICES INC
Facility address:	43-25 HUNTER ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD057430100
Mailing address:	HUNTER ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	HUNTER ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CENTRALIZED LAB SERVICES INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: CENTRALIZED LAB SERVICES INC
Classification: Unverified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004360851

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD057430100
Country: USA
Mailing Name: CENTRALIZED LAB SERVICES INC
Mailing Contact: CENTRALIZED LAB SERVICES INC
Mailing Address: 43-25 HUNTER ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-2300

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 2008-11-19

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Trans1 Recv Date:	2008-11-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-11-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD057430100
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	002447732FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-10-10
Trans1 Recv Date:	2008-10-10
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-10-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD057430100
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	130.0
Units:	P - Pounds
Number of Containers:	13.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	002446217FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

CENTRALIZED LAB SERVICES INC (Continued) **1000418525**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

F45 **LOT 36,TAXBLOCK 433** **NY E DESIGNATION** **S108469562**
NNW **43-11 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.100 mi.
526 ft. **Site 4 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	36
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-11 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000000500
Commercial Floor Area:	00000000500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0025.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029250
Total Assessed Value:	00000033885
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330036
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000306
Y Coordinate:	0211744
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	36
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-11 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000000500
Commercial Floor Area:	00000000500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0020.00
Building Depth:	0025.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029250
Total Assessed Value:	00000033885
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.20
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330036
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000306
Y Coordinate:	0211744

LOT 36,TAXBLOCK 433 (Continued) **S108469562**

Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F46 **LOT 37,TAXBLOCK 433** **NY E DESIGNATION** **S108469563**
NNW **43-09 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.101 mi.
531 ft. **Site 5 of 7 in cluster F**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	37
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B1
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-09 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001900
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0038.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003187
Total Assessed Value:	00000017572
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.76
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330037
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000313
Y Coordinate:	0211785
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	37
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B1
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	43-09 HUNTER STREET,
Lot Area:	000002500
Total Building Floor Area:	00000001900
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0038.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	2
Land Assessed Value:	00000003187
Total Assessed Value:	00000017572
Land Exempt Value:	00000001430
Total Exempt Value:	00000001430
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.76
Maximum Allowable Far:	10.00
Borough Code:	4

LOT 37,TAXBLOCK 433 (Continued) **S108469563**

Borough Tax Block And Lot:	4004330037
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000313
Y Coordinate:	0211785
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F47 **SPILL NUMBER 0105318** **NY LTANKS** **S105135086**
NNW **43-09 HUNTERS STREET** **NY Spills** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.101 mi.
531 ft. **Site 6 of 7 in cluster F**

Relative:
Lower

Actual:
12 ft.

LTANKS:

Site ID:	242115
Spill Number/Closed Date:	0105318 / 6/30/2003
Spill Date:	8/16/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	8/16/2001
CID:	207
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/16/2001
Spill Record Last Update:	6/30/2003
Spiller Name:	CALLER
Spiller Company:	MB TRUCKING
Spiller Address:	1281 VIELE AV
Spiller City,St,Zip:	BRONX, NY 10474-
Spiller County:	001
Spiller Contact:	GABE RICCI
Spiller Phone:	(718) 328-3275
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	262305

SPILL NUMBER 0105318 (Continued) **S105135086**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks: cleanup completed

Material:
Site ID: 242115
Operable Unit ID: 842224
Operable Unit: 01
Material ID: 533792
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 3
Units: Gallons
Recovered: 3
Resource Affected: Not reported
Oxygenate: False

Tank Test:

SPILLS:
Facility ID: 9809062
DER Facility ID: 262305
Facility Type: ER
Site ID: 325643
DEC Region: 2
Spill Date: 10/20/1998
Spill Number/Closed Date: 9809062 / 10/21/1998
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 10/20/1998
CID: 282
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 10/20/1998
Spill Record Last Update: 5/14/2002
Spiller Name: MR THOMSEN
Spiller Company: MR THOMSEN
Spiller Address: 43-09 HUNTERS STREET
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller Company: 001
Contact Name: MR THOMSEN
Contact Phone: (212) 932-0480

SPILL NUMBER 0105318 (Continued) **S105135086**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CLEANED BY RP.

Remarks: PIPE FAILED LEADING TO THE TANK.TANK IS IN THE BASEMENT.SPILL WENT ONTO THE PLATFORM NEAR THE TANK SPILL WAS CLEANED UP THEY STATEDEXACT AMOUNT WAS UNKNOWN.

Material:

Site ID:	325643
Operable Unit ID:	1070254
Operable Unit:	01
Material ID:	316526
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G48 **LOT 41,TAXBLOCK 433** **NY E DESIGNATION** **S108469568**
North **27-10 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.101 mi.
534 ft. **Site 1 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	41
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	COMASKEY HOLDINGS,
Lot Area:	000002000
Total Building Floor Area:	00000002250
Commercial Floor Area:	00000002250
Office Floor Area:	00000000250
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000063000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.13
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330041
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000399
Y Coordinate:	0211751
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Tax Lot(s):	41
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	COMASKEY HOLDINGS,
Lot Area:	000002000
Total Building Floor Area:	00000002250
Commercial Floor Area:	00000002250
Office Floor Area:	00000000250
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000063000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000

LOT 41,TAXBLOCK 433 (Continued) **S108469568**

Year Built:	1916
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.13
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330041
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000399
Y Coordinate:	0211751
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F49 **49 HUNTER PLACE/S.I.** **NY Spills** **S102146133**
NNW **49 HUNTER PLACE** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.101 mi.
535 ft. **Site 7 of 7 in cluster F**

Relative:
Lower

Actual:
11 ft.

SPILLS:

Facility ID:	9011053
DER Facility ID:	59223
Facility Type:	ER
Site ID:	60720
DEC Region:	2
Spill Date:	1/17/1991
Spill Number/Closed Date:	9011053 / 1/17/1991
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4301
Investigator:	JAMES
Referred To:	Not reported
Reported to Dept:	1/17/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	1/17/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

49 HUNTER PLACE/S.I. (Continued) **S102146133**

Date Entered In Computer:	1/29/1991
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	DONITA ARUNY
Spiller Address:	49 HUNTER PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DURING ROUTINE MAINTENANCE OF OIL STORAGE SYSTEM OIL WAS DISCOVERED INMORNING,OIL FOUND ON FLOOR IN BASEMENT, CITGO REPAIRING LINES, DEC TO FOLLOW UP AS NEEDED.

Material:

Site ID:	60720
Operable Unit ID:	948079
Operable Unit:	01
Material ID:	431147
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G50 **EDR US Hist Auto Stat** **1015379502**
North **2706 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.102 mi.
538 ft. **Site 2 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:

Name:	RUNWELL AUTO REPAIRS
Year:	1999
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2000
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2001
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2002
Address:	2706 43RD AVE
Name:	RUNWELL AUTO REPAIRS
Year:	2003
Address:	2706 43RD AVE

(Continued) **1015379502**

Name: RUNWELL AUTO REPAIRS INC
Year: 2004
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2005
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2006
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2007
Address: 2706 43RD AVE

Name: RUNWELLS AUTO SHOP & REPAIR INC
Year: 2008
Address: 2706 43RD AVE

G51 **EDR US Hist Auto Stat** **1015379565**
North **2707 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.103 mi.
543 ft. **Site 3 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:
Name: ENGINE FACTORY
Year: 1999
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2000
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2003
Address: 2707 43RD AVE

Name: ENGINE FACTORY
Year: 2004
Address: 2707 43RD AVE

H52 **COURT SQUARE** **RCRA-SQG** **1000694118**
WSW **45-18 COURT SQ** **FINDS** **NYD987003910**
< 1/8 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.103 mi.
545 ft. **Site 1 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

RCRA-SQG:
Date form received by agency: 08/28/2012
Facility name: TRANE CO THE
Facility address: 45-18 COURT SQ
LONG ISLAND CITY, NY 11101
EPA ID: NYD987003910
Mailing address: COURT SQ

COURT SQUARE (Continued) **1000694118**

LONG ISLAND CITY, NY 11101
Contact: TOM E KELLY
Contact address: COURT SQ
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 269-3647
Contact email: THOMAS.KELLY@TRANE.COM
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THE TRANE CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Owner/operator name: THE TRANE CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: TRANE CO THE

COURT SQUARE (Continued) **1000694118**

Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Not a generator, verified

Date form received by agency: 05/12/1992
Facility name: TRANE CO THE
Site name: COURT SQUARE
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110008075830

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987003910
Country: USA
Mailing Name: COURT SQUARE
Mailing Contact: WILLIAM R KLEIN
Mailing Address: 60 EAST 56 STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10022
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-751-4620

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000081205
Trans2 State ID: NJD071629976
Generator Ship Date: 24-Apr-2013 00:00:00

COURT SQUARE (Continued) **1000694118**

Trans1 Recv Date:	24-Apr-2013 00:00:00
Trans2 Recv Date:	26-Apr-2013 00:00:00
TSD Site Recv Date:	10-May-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003310586SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	NYB5586084
Manifest Status:	Completed copy
Trans1 State ID:	HL4120
Trans2 State ID:	Not reported
Generator Ship Date:	920623
Trans1 Recv Date:	920623
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920623
Part A Recv Date:	920716
Part B Recv Date:	920702
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	Not reported
Manifest Status:	Not reported

COURT SQUARE (Continued) **1000694118**

Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-08-22
Trans1 Recv Date:	2012-08-22
Trans2 Recv Date:	2012-09-05
TSD Site Recv Date:	2012-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003309111SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-08-22
Trans1 Recv Date:	2012-08-22
Trans2 Recv Date:	2012-09-05
TSD Site Recv Date:	2012-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003309111SKS

COURT SQUARE (Continued) **1000694118**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-11-07
Trans1 Recv Date:	2012-11-07
Trans2 Recv Date:	2012-11-12
TSD Site Recv Date:	2012-11-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987003910
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003310531SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

G53 **LOT 39,TAXBLOCK 433** **NY E DESIGNATION** **S108469566**
North **27-06 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.103 mi.
545 ft. **Site 4 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	39
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LIEBERMAN, DONALD
Lot Area:	000004000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000004000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0080.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000121950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330039
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000360
Y Coordinate:	0211769
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	39
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LIEBERMAN, DONALD
Lot Area:	000004000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000004000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0080.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054000
Total Assessed Value:	00000121950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330039
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000360
Y Coordinate:	0211769
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 39,TAXBLOCK 433 (Continued) **S108469566**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

G54 **EDR US Hist Auto Stat** **1015379128**
North **2702 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.104 mi.
548 ft. **Site 5 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

EDR Historical Auto Stations:

Name: HUNTER AUTO
Year: 2001
Address: 2702 43RD AVE

Name: HUNTER AUTO
Year: 2002
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2004
Address: 2702 43RD AVE

Name: T AUTO REPAIR & AUTO BODY
Year: 2006
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2007
Address: 2702 43RD AVE

Name: T & T AUTO REPAIR & AUTO BODY
Year: 2008
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2010
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2011
Address: 2702 43RD AVE

Name: TNT AUTO BODY
Year: 2012
Address: 2702 43RD AVE

G55 **LOT 38,TAXBLOCK 433** **NY E DESIGNATION** **S108469565**
North **27-02 43 AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.105 mi.
557 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	38
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	P A R 328 ASSOCIATES,
Lot Area:	000002000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000002000
Retail Floor Area:	00000000000
Garage Floor Area:	00000002000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000123750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	1996
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330038
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000368
Y Coordinate:	0211816
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	38
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	2048
School District:	30
City Council District:	26
Fire Company:	L115
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-6/R10
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-6/R10/LIC

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	P A R 328 ASSOCIATES,
Lot Area:	000002000
Total Building Floor Area:	00000004000
Commercial Floor Area:	00000004000
Office Floor Area:	00000002000
Retail Floor Area:	00000000000
Garage Floor Area:	00000002000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0080.00
Building Frontage:	0025.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000123750
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1916
Year Built Code:	E
Year Altered1:	1996
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.00
Maximum Allowable Far:	10.00
Borough Code:	4
Borough Tax Block And Lot:	4004330038
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000368
Y Coordinate:	0211816
Zoning Map:	09B
Sanborn Map:	401 025
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 38,TAXBLOCK 433 (Continued) **S108469565**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

G56 **MTA NYCT - VENT PLANT 5103** **NY MANIFEST** **S110306083**
North **HUNTER ST & 43RD AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.107 mi.
563 ft. **Site 7 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

NY MANIFEST:

EPA ID:	NYR000171173
Country:	USA
Mailing Name:	MTA NYCT - VENT PLANT 5103
Mailing Contact:	MTA NYCT - VENT PLANT 5103
Mailing Address:	2 BROADWAY ROOM A27.64
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-5777
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2010-04-01
Trans1 Recv Date: 2010-04-01
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2010-04-01
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000171173
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2010
Manifest Tracking Num: 000959575GBF
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2011-02-15
Trans1 Recv Date: 2011-02-15
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2011-02-15
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000171173
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 100.0
Units: P - Pounds
Number of Containers: 1.0

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	001056812GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-02-15
Trans1 Recv Date:	2011-02-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-02-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	001056812GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Trans2 State ID:	Not reported
Generator Ship Date:	2011-06-24
Trans1 Recv Date:	2011-06-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-06-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	40.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003534930JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-04-01
Trans1 Recv Date:	2010-04-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-04-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000959575GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001055884GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2010-10-07
Trans1 Recv Date:	2010-10-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171173
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported

MTA NYCT - VENT PLANT 5103 (Continued) **S110306083**

Quantity:	217.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	006877405JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

G57 **MTA NYCT - VENT PLANT 5103** **RCRA-SQG** **1012211710**
North **HUNTER ST & 43RD AVE** **NYR000171173**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.107 mi.
563 ft. **Site 8 of 8 in cluster G**

Relative:
Lower

Actual:
12 ft.

RCRA-SQG:

Date form received by agency:	12/29/2009
Facility name:	MTA NYCT - VENT PLANT 5103
Facility address:	HUNTER ST & 43RD AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000171173
Mailing address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1968

MTA NYCT - VENT PLANT 5103 (Continued) **1012211710**

Owner/Op end date: Not reported

Owner/operator name: MTA NYCT
Owner/operator address: BROADWAY 5TH FLOOR 503
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

H58 **43-40 COURT SQUARE / QUEE** **NY Spills** **S104495129**
WSW **43-40 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.107 mi.
566 ft. **Site 2 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

SPILLS:
Facility ID: 8702187
DER Facility ID: 112689
Facility Type: ER
Site ID: 130778
DEC Region: 2
Spill Date: 6/17/1987
Spill Number/Closed Date: 8702187 / 6/17/1987
Spill Cause: Human Error
Spill Class: Not reported
SWIS: 4101
Investigator: TOMASELLO
Referred To: Not reported
Reported to Dept: 6/17/1987
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial

43-40 COURT SQUARE / QUEE (Continued) **S104495129**

Spill Notifier:	Police Department
Cleanup Ceased:	6/17/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/19/1987
Spill Record Last Update:	11/26/1996
Spiller Name:	Not reported
Spiller Company:	EAGLE ELECTRIC
Spiller Address:	43-40 COURT SQUARE
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FORK LIFT ACCIDENT RUPTURED CONTAINERS, MATERIALS MIXED AFTER ACCIDENT AND CAUSED A GAS TO FORM.

Material:

Tank Test:

---

59 **EDR US Hist Auto Stat** **1015355789**
WNW **2413 44TH DR** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.109 mi.
576 ft.

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	2003
Address:	2413 44TH DR
Name:	GREGS AUTO BODY SHOP
Year:	2004
Address:	2413 44TH DR

E60 **LOT 8,TAXBLOCK 432** **NY E DESIGNATION** **S108469581**
NE **27-35 JACKSON AVENUE** **N/A**
< 1/8 **QUEENS, NY 11101**
0.109 mi.
578 ft. **Site 3 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Community District:	402
Census Tract:	19
Census Block:	1004
School District:	30
City Council District:	26
Fire Company:	E258
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R9
Zone District 2:	M1-5/R7-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R9/LIC
All Components2:	M1-5/R7-3
Split Boundary Indicator:	Y
Building Class:	F2
Land Use Category:	06
Number of Easements:	1
Owner, Type of Code:	Not reported
Owner Name:	27-35 JACKSON AVENUE
Lot Area:	000022500
Total Building Floor Area:	00000078500
Commercial Floor Area:	00000078500
Office Floor Area:	00000016500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000016500
Factory Floor Area:	00000045500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00004
Lot Frontage:	0225.00
Lot Depth:	0099.75
Building Frontage:	0220.00
Building Depth:	0090.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000350100
Total Assessed Value:	00001291500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1965
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0003.49
Maximum Allowable Far:	07.52
Borough Code:	4

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Borough Tax Block And Lot:	4004320008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000782
Y Coordinate:	0211864
Zoning Map:	09B
Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	8
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	1004
School District:	30
City Council District:	26
Fire Company:	E258
Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R9
Zone District 2:	M1-5/R7-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R9/LIC
All Components2:	M1-5/R7-3
Split Boundary Indicator:	Y
Building Class:	F2
Land Use Category:	06
Number of Easements:	1
Owner, Type of Code:	Not reported
Owner Name:	27-35 JACKSON AVENUE
Lot Area:	000022500
Total Building Floor Area:	00000078500
Commercial Floor Area:	00000078500
Office Floor Area:	00000016500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000016500

LOT 8,TAXBLOCK 432 (Continued) **S108469581**

Factory Floor Area:	00000045500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00004
Lot Frontage:	0225.00
Lot Depth:	0099.75
Building Frontage:	0220.00
Building Depth:	0090.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000350100
Total Assessed Value:	00001291500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1965
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0003.49
Maximum Allowable Far:	07.52
Borough Code:	4
Borough Tax Block And Lot:	4004320008
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000782
Y Coordinate:	0211864
Zoning Map:	09B
Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E61 **MINI M,ICRO SUPPLI INC** **NY AST** **U003388903**
NE **27-35 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.109 mi.
578 ft. **Site 4 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-283118

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Program Type: PBS
UTM X: 589473.25162999996
UTM Y: 4511320.2492399998
Expiration Date: 2017/10/23
Site Type: Other Wholesale/Retail Sales

Affiliation Records:

Site Id: 12486
Affiliation Type: Facility Owner
Company Name: 27-35 JACKSON AVENUE PROPERTY LLC
Contact Type: OWNER
Contact Name: PHYLLIS SHIH
Address1: 27-35 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 11/13/2012

Site Id: 12486
Affiliation Type: Mail Contact
Company Name: MINI MICRO SUPPLY INC
Contact Type: Not reported
Contact Name: PHYLLIS SHIH
Address1: 27-35 JACKSON AVE
Address2: Not reported
City: L.I.C.
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 12486
Affiliation Type: On-Site Operator
Company Name: MINI M,ICRO SUPPLI INC
Contact Type: Not reported
Contact Name: RAY LIANG
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 482-8600
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 11/13/2012

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Site Id:	12486
Affiliation Type:	Emergency Contact
Company Name:	27-35 JACKSON AVENUE PROPERTY LLC
Contact Type:	Not reported
Contact Name:	RAY LIANG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/13/2012

Tank Info:

Tank Number:	005
Tank Id:	14851
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H99 - Tank Leak Detection - Other
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1965
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/13/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	008
Tank Id:	14852
Material Code:	0001

MINI M,ICRO SUPPLI INC (Continued) **U003388903**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)
C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
H99 - Tank Leak Detection - Other
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1965
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/13/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

E62 **CAB MANAGEMENT CORP** **NY UST** **1000551189**
NE **27-34 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.112 mi.
589 ft. **Site 5 of 6 in cluster E**

Relative: Higher

Actual: 15 ft.

UST:

Id/Status:	2-017647 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/10/23
UTM X:	589472.16082999995
UTM Y:	4511319.68095
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	151
Affiliation Type:	On-Site Operator
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	CAB MANAGEMENT CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001

CAB MANAGEMENT CORP (Continued) **1000551189**

Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Emergency Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 455-2380
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Mail Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	27-34 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	JVASEY@CMCNYC.BIZ
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Site Id:	151
Affiliation Type:	Facility Owner
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	27-34 JACKSON AVE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

CAB MANAGEMENT CORP (Continued) **1000551189**

Tank Info:

Tank Number:	001
Tank ID:	27075
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	08/01/1983
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	21
Date Test:	10/06/2011
Next Test Date:	10/06/2016
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	10/08/2013

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
D02 - Pipe Type - Galvanized Steel
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
G05 - Tank Secondary Containment - Synthetic Liner
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None

E63 **CAB MANAGEMENT CORP** **NY AST** **A100352965**
NE **27-34 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.112 mi.
589 ft. **Site 6 of 6 in cluster E**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017647
Program Type:	PBS
UTM X:	589472.16082999995
UTM Y:	4511319.68095
Expiration Date:	2017/10/23
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	151
Affiliation Type:	On-Site Operator
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported

CAB MANAGEMENT CORP (Continued) **A100352965**

Contact Name:	CAB MANAGEMENT CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Emergency Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 455-2380
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/30/2010

Site Id:	151
Affiliation Type:	Mail Contact
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	JAMES VASEY
Address1:	27-34 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-8668
EMail:	JVASEY@CMCNYC.BIZ
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Site Id:	151
Affiliation Type:	Facility Owner
Company Name:	CAB MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	27-34 JACKSON AVE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101

CAB MANAGEMENT CORP (Continued) **A100352965**

Country Code:	001
Phone:	(718) 937-8668
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2013

Tank Info:

Tank Number:	002
Tank Id:	236118
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
E00 - Piping Secondary Containment - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1998
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2013
Material Name:	Waste Oil/Used Oil

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64 **DUTCH KILL/SCRAP YARD** **NY Spills** **S102143117**
ESE **DUTCH KILL** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.113 mi.
595 ft.

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	9204680
DER Facility ID:	110138
Facility Type:	ER
Site ID:	127567
DEC Region:	2
Spill Date:	7/23/1992
Spill Number/Closed Date:	9204680 / 7/23/1992
Spill Cause:	Unknown

DUTCH KILL/SCRAP YARD (Continued) **S102143117**

Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	7/23/1992
CID:	Not reported
Water Affected:	NEWTOWN CREEK
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	7/23/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/28/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN.
Remarks:	SHEEN CONFIRMED NON-RECOVERABLE BY USCG.

Material:

Site ID:	127567
Operable Unit ID:	972187
Operable Unit:	01
Material ID:	412378
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I65 **EDR US Hist Auto Stat** **1015381090**
NE **2722 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.113 mi.
596 ft. **Site 1 of 3 in cluster I**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:
Name: BEARDSLEE TRANSMISSION EQUIPT COMPANY INCORPORATED
Year: 2000
Address: 2722 JACKSON AVE

J66 **EDR US Hist Cleaners** **1015027946**
West **2501 JACKSON AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.115 mi.
606 ft. **Site 1 of 6 in cluster J**

Relative:
Higher

Actual:
15 ft.

EDR Historical Cleaners:
Name: SUN CLEANERS
Year: 2005
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2006
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2007
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2008
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2010
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2011
Address: 2501 JACKSON AVE

Name: SUN CLEANERS
Year: 2012
Address: 2501 JACKSON AVE

I67 **MINI MICRO** **NY Spills** **S105235939**
NNE **27-35 JACKSON AVE** **N/A**
< 1/8 **JACKSON HEIGHTS, NY**
0.121 mi.
639 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
16 ft.

SPILLS:
Facility ID: 0108045
DER Facility ID: 108921
Facility Type: ER
Site ID: 125949
DEC Region: 2

MINI MICRO (Continued) **S105235939**

Spill Date:	11/7/2001
Spill Number/Closed Date:	0108045 / 11/14/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/7/2001
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	11/8/2001
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/7/2001
Spill Record Last Update:	7/19/2004
Spiller Name:	SAME
Spiller Company:	NEWLITE FUEL OIL COMPANY
Spiller Address:	8725 MYRTLE AVE
Spiller City,St,Zip:	GLENDALE, NY 11385-
Spiller Company:	001
Contact Name:	JOSEPH VESSIO
Contact Phone:	(718) 459-1223
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"11/08/01: MF S/I/LORI CHENG, MANAGER OF MINI MICRO. SHE TOD ME APPX 100 GALLONS OF #2FO SPILLED DUE TO GASKET PROBLEM ON THE BOILER. NEWLITE FUEL SENT A CREW LAST NITE TO CLEAN. THE CLEAN UP DEBRIS IS ON SITE, ON PLACTIC & COVERED/PLASTIC. SOME LEAKAGE NOTICED. SPEEDY DRY & PADS WERE APPLIED TO THE SPILLAGE & SWEEP UP. SOME SPEEDY DRY STILL ON THE FLOOR. STAINING ALSO ON THE FLOOR, THE CONCRETE FLOOR HAS SMALL CRACKES IN IT. THERE IS A FLOOR DRAIN WHICH AN UNKNOWN AMOUNT OF PRODUCT ENTERED. A LITTLE MORE CLEAN UP STILL HAS TO BE DONE & THE DEBRIS DISPOSED OF. CALLED LISA HOUER, TRISTATE 718-861-3159. A CREW IS ON THE WAY THERE NOW, THEY WILL SWEEP UP THE SPEEDY DRY & CLEAN A LITTLE BETTER UNDER THE BOILER. THE DEBRIS WILL BE REMOVED TODAY & DISPOSED OF TOMORROW. SHE WILL SENT THE RECEIPT TO TIM.
Remarks:	gasket on the manhole failed gauge was not giving reading properly.

Material:

Site ID:	125949
Operable Unit ID:	846082
Operable Unit:	01
Material ID:	552697
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MINI MICRO (Continued) **S105235939**

Tank Test:

H68 **CITICORP AT COURT SQUARE** **NY AST** **A100293558**
WSW **25-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.123 mi.
648 ft. **Site 3 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-455040
Program Type:	PBS
UTM X:	589180.09545999998
UTM Y:	4511172.6065400001
Expiration Date:	2014/02/15
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	19999
Affiliation Type:	Mail Contact
Company Name:	CUSHMAN & WAKEFIELD
Contact Type:	Not reported
Contact Name:	FRED VARONE
Address1:	25-01 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 248-0715
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Site Id:	19999
Affiliation Type:	Emergency Contact
Company Name:	CITIBANK, N.A.
Contact Type:	Not reported
Contact Name:	KEITH OWEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 785-5955
EMail:	Not reported
Fax Number:	Not reported
Modified By:	exrossan
Date Last Modified:	3/17/2004

Site Id:	19999
Affiliation Type:	On-Site Operator
Company Name:	CITICORP AT COURT SQUARE

CITICORP AT COURT SQUARE (Continued) **A100293558**

Contact Type:	Not reported
Contact Name:	CUSHMAN AND WAKEFIELD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 248-1937
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Site Id:	19999
Affiliation Type:	Facility Owner
Company Name:	CITIBANK, N.A.
Contact Type:	CHIEF ENGINEER
Contact Name:	FRED VARONE
Address1:	25-01 JACKSON AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 248-1937
EMail:	Not reported
Fax Number:	Not reported
Modified By:	cgfreedm
Date Last Modified:	4/13/2004

Tank Info:

Tank Number:	04
Tank Id:	178526
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F02 - Pipe External Protection - Original Sacrificial Anode
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
A01 - Tank Internal Protection - Epoxy Liner
F06 - Pipe External Protection - Wrapped
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

CITICORP AT COURT SQUARE (Continued) **A100293558**

Install Date:	06/01/1988
Capacity Gallons:	275
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	cgfreedm
Last Modified:	04/13/2004
Material Name:	Diesel

H69 **1 COURT SQUARE** **NY Spills** **S102142523**
WSW **1 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
0.123 mi.
648 ft. **Site 4 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

SPILLS:

Facility ID:	9110791
DER Facility ID:	194524
Facility Type:	ER
Site ID:	236132
DEC Region:	2
Spill Date:	1/16/1992
Spill Number/Closed Date:	9110791 / 1/17/1992
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	1/16/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1/17/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/3/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	SPEEDI DRI APPLIED, PICKED UP & DISPOSED.

Material:

Site ID:	236132
Operable Unit ID:	960930
Operable Unit:	01

1 COURT SQUARE (Continued) **S102142523**

Material ID: 415868
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

H70 **CITICORP AT COURT SQUARE** **NY UST** **U004062303**
WSW **25-01 JACKSON AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.123 mi.
648 ft. **Site 5 of 8 in cluster H**

Relative:
Higher

Actual:
15 ft.

UST:
Id/Status: 2-455040 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 2014/02/15
UTM X: 589180.09545999998
UTM Y: 4511172.6065400001
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 19999
Affiliation Type: Mail Contact
Company Name: CUSHMAN & WAKEFIELD
Contact Type: Not reported
Contact Name: FRED VARONE
Address1: 25-01 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 248-0715
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Site Id: 19999
Affiliation Type: Emergency Contact
Company Name: CITIBANK, N.A.
Contact Type: Not reported
Contact Name: KEITH OWEN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported

CITICORP AT COURT SQUARE (Continued) **U004062303**

Country Code: 999
Phone: (516) 785-5955
EMail: Not reported
Fax Number: Not reported
Modified By: exrossan
Date Last Modified: 3/17/2004

Site Id: 19999
Affiliation Type: On-Site Operator
Company Name: CITICORP AT COURT SQUARE
Contact Type: Not reported
Contact Name: CUSHMAN AND WAKEFIELD
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 248-1937
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Site Id: 19999
Affiliation Type: Facility Owner
Company Name: CITIBANK, N.A.
Contact Type: CHIEF ENGINEER
Contact Name: FRED VARONE
Address1: 25-01 JACKSON AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 248-1937
EMail: Not reported
Fax Number: Not reported
Modified By: cgfreedm
Date Last Modified: 4/13/2004

Tank Info:

Tank Number: 01
Tank ID: 36937
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 6000
Install Date: 06/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN

CITICORP AT COURT SQUARE (Continued) **U004062303**

Date Test: 04/19/2003
Next Test Date: Not reported
Pipe Model: C
Modified By: cgfreedm
Last Modified: 04/13/2004

Equipment Records:

E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass

Tank Number: 02
Tank ID: 178524
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 6000
Install Date: 06/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 00
Date Test: 04/19/2003
Next Test Date: Not reported
Pipe Model: C
Modified By: cgfreedm
Last Modified: 04/13/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Tank Number: 03
Tank ID: 178525
Tank Status: In Service
Material Name: In Service

CITICORP AT COURT SQUARE (Continued) **U004062303**

Capacity Gallons:	6000
Install Date:	06/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	00
Date Test:	04/19/2003
Next Test Date:	Not reported
Pipe Model:	C
Modified By:	cgfreedm
Last Modified:	04/13/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass

K71 **MANHOLE 4440** **NY Spills** **S103936850**
ENE **4327 QUEENS ST** **N/A**
< 1/8 **QUEENS, NY**
0.124 mi.
654 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
15 ft.

SPILLS:

Facility ID:	9901252
DER Facility ID:	243541
Facility Type:	ER
Site ID:	301394
DEC Region:	2
Spill Date:	5/3/1999
Spill Number/Closed Date:	9901252 / 1/7/2000
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	5/3/1999
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

MANHOLE 4440 (Continued) **S103936850**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/1999
Spill Record Last Update:	6/14/2000
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	BILL MURPHY
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"Con ed e2mis notes:Found undiaperable sheen on approx 800 gallons of water. <1.00ppmhow performed? Structure was double washed using bio gen 760. cleaned 100%Reports found undiaperable sheen on approx 800 gallons of water in mh.Double washed structure with biogen 760 - 100% cleaned. Also inspected structrue and found no damage. Tag removed. Flush reports he put 10 gallons of cement in sump.
Remarks:	SHEEN FOUND ON 800 GAL OF WATER CONTAINED IN MANHOLE. CLEAN UP PENDING LAB RESULTS. CON ED 124-599.

Material:

Site ID:	301394
Operable Unit ID:	1079956
Operable Unit:	01
Material ID:	304798
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H72 **5 COURT SQUARE** **NY AST U003397123**
WSW **5 COURT SQUARE** **NY HIST AST N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 6 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603367
Program Type:	PBS
UTM X:	589183.38974999997
UTM Y:	4511109.3627899997
Expiration Date:	2018/03/09
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	25285

5 COURT SQUARE (Continued) **U003397123**

Affiliation Type:	Facility Owner
Company Name:	COURT SQUARE LLC
Contact Type:	MANAGER
Contact Name:	BENNY SOKOL
Address1:	152 W 57 ST 12TH FL.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 315-3390
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Site Id:	25285
Affiliation Type:	Mail Contact
Company Name:	FISHER ASSOCIATES
Contact Type:	Not reported
Contact Name:	BENNY SOKOL
Address1:	152 WEST 57TH STREET
Address2:	12TH FL
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 315-3390
EMail:	BSOKOL@FISHERASSOC.NET
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Site Id:	25285
Affiliation Type:	Emergency Contact
Company Name:	COURT SQUARE LLC
Contact Type:	Not reported
Contact Name:	VASILE DUMNICI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(347) 273-4382
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2008

Site Id:	25285
Affiliation Type:	On-Site Operator
Company Name:	COURT SQUARE LLC
Contact Type:	Not reported
Contact Name:	VASILE DUMNICI
Address1:	Not reported
Address2:	Not reported

5 COURT SQUARE (Continued) **U003397123**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 257-0944
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	3/18/2013

Tank Info:

Tank Number:	001
Tank Id:	54019
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None
D02 - Pipe Type - Galvanized Steel
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
J05 - Dispenser - On Site Heating System (Supply/Return)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/24/1954
Capacity Gallons:	2020
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	03/18/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-603367
SWIS Code:	6301
Operator:	LARRY GANGAWAY
Facility Phone:	(718) 784-9303
Facility Addr2:	Not reported
Facility Type:	Not reported
Emergency:	LARRY GANGAWAY
Emergency Tel:	(718) 781-9303
Old PBSNO:	Not reported
Date Inspected:	Not reported

5 COURT SQUARE (Continued) **U003397123**

Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	COURT SQUARE ASSOCIATES
Owner Address:	1775 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10019
Federal ID:	Not reported
Owner Tel:	(212) 315-3390
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	JACK BERKOVICH
Mailing Name:	FISHER ASSOCIATES
Mailing Address:	1775 BROADWAY, SUITE 515
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10019
Mailing Telephone:	(212) 315-3390
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	03/11/1998
Expiration:	03/09/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	1
Tank External:	1
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	1
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported

5 COURT SQUARE (Continued) **U003397123**

Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

H73 **COURT PLAZA** **NY LTANKS** **S110309405**
WSW **5 COURT SQUARE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 7 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	431696
Spill Number/Closed Date:	1000528 / Not Reported
Spill Date:	4/13/2010
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	RVKETANI
Referred To:	082413 TETRA TECH RECVD DRAWINGS COMMENTS FROM MTA
Reported to Dept:	4/13/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	4/13/2010
Spill Record Last Update:	8/26/2013
Spiller Name:	Not reported
Spiller Company:	FISHER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	RENE LEWIS
Spiller Phone:	(917) 299-9302
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	25193
DEC Memo:	04/13/10-Hiralkumar Patel. as oil was found on water in subway tunnel underneath the subject building, asked building manager to do tank test on a 2,000 gal #2 oil tank.2:00 PM:- visited site. met Mr. Sokol, property manager. Eastmond did fill line test and it failed. asked Mr. Sokol, to seal fill port to prevent further release. fill port at the site is about 15 ft away from the area where oil found seeping into subway tunnel. asked Mr. Sokol to do tank only test also to confirm no leak from tank.Court Square LLC. **property owner**c/o Fisher Associates **management office**Carnegie Hall Tower 152 West 57th Street, 12th FloorNew York, NY 10019Attn.: Benny Sokol **property manager**Ph. (212) 315-3390 Ext. 214 (O) (347) 273-0998 (C)Fax (212) 937-8814email: bsokol@fisherassoc.net04/15/10-Hiralkumar Patel. received email from Mr. Sokol (at 6:53 PM on 04/13/10) with

COURT PLAZA (Continued) **S110309405**

their insurance company info.Hub International **insurance broker**contact: Cynthia ChinPH. (212) 338-285810:09 AM:- spoke with Mr. Sokol. Eastmond is at the site to do tank only test and then will expose the fill line. asked Mr. Sokol to wait for excavation along fill line as may need approval from MTA.10:14 AM:- spoke with Haroon in System Safety at MTA. Haroon mentioned that contractor doesn't need any approval from MTA for sidewalk breaking or fill line repair. asked Haroon to send someone to the site to guide contractor if deeper excavation is required (due to proximity to the subway structure).Haroon Aslam **spill case manager in MTA**PH. (646) 252-3607 (646) 252-5777email: haroon.aslam@nyct.com10:18 AM:- spoke with Mr. Sokol. asked him to finish tank only test first and expose fill line. informed Mr. Sokol that no deeper excavation should be performed until MTA approves the work.11:45 AM:- visited site. met Mr. Sokol and Haroon. eastmond crew was working to test tank. spoke with Rene at Eastmond. they have applied for DOT permit and expect to start work on 04/19/10. inspected track area with Mr. Sokol and Haroon. area was in same condition with little more oil than previous site visit. some odors at the end of platform in leak area. Haroon asked to contact Rajen Udeshi at MTA about approval for excavation near subway structure.04/16/10-Hiralkumar Patel.9:38 AM:- sent email to Mr. Sokol with Mr. Udeshi's contact info.Rajen UdeshiCapital Program Management2 Broadway, 7th FloorNew York, NY 10004Ph. (646) 252-3673email: rajen.udeshi@nyct.com04/16/10-Hiralkumar Patel.11:01 AM:- received email from Mr. Sokol. after installing new fill and vent line and repairing manhole on tank, Eastmond tested tank system and it passed the test. Mr. Sokol will submit test result, once available.04/19/10-Hiralkumar Patel.11:55 AM:- spoke with Jen at MTA. they haven't got fingerprint sample results back yet.12:47 PM:- received email from Mr. Sokol. they spoke with MTA who approved to excavated up to four feet without any engineer report. so Eastmond will expose old fill line tomorrow. Mr. Sokol also mentioned that their insurance company has hired Tetra Tech.2:51 PM:- received message from Sandra from Tetra Tech.Sandra GaurinTetra Tech EM Inc.Ph. (973) 384-9799 (O) (973) 659-9996 Ext. 245 (201) 572-0835 (C)Fax (973) 659-1287email: sandra.gaurin@tetratech.com3:20 PM:- left message for Ms. Gaurin.04/20/10-Hiralkumar Patel.2:15 PM:- visited site. met Ms. Gaurin, Mr. Sokol and Rene. Eastmond crew exposed old fill line. when contractor tried to pull out fill line from ground, fill line separated in two pieces from coupling. no broken threads observed on pipe and looks like fill line was not properly installed. found that piece of fill line towards building was anchored in ground at coupling joint. piece of fill line towards building was corroded but no holes found. corrosion holes found in piece of fill line towards sidewalk. fresh oil found under fill line. asked Ms. Gaurin to get DOT and MTA permits before further work. Eastmond will cover excavation with plastic and then backfill with clean sand as need permit for further work. Eastmond collected two soil samples (from same area) for fingerprint and age analysis.inspected subwary track area with Ms. Gaurin. found oil on tracks. asked Ms. Gaurin to submit claim number and insurance claim handler's information.asked Mr. Sokol to submit tank test result.04/23/10-Hiralkumar Patel. received email from Ms. Gaurin (at 5:24 PM on 04/21/10) with contact info for project manager at insurance company. Ms. Gaurin is preparing work plan for further work and asked whether groundwater sample from temporary geoprobe is sufficient for initial groundwater quality check or permanent well is required.Dawn KrigstinIronshore

COURT PLAZA (Continued) **S110309405**

Environmental **insurance carrier**Ph. (646) 826-6785email: Dawn.Krigstin@Ironshore.comspoke with Ms. Gaurin and informed her that permanent well is not required right now, but will be required if finds groundwater contamination in groundwater sample via temporary geoprobe.04/23/10-Hiralkumar Patel. received email from Mr. Sokol (at 7:51 PM on 04/22/10) with tank test result.12:34 PM:- received email from Jen from MTA including result of fingerpint analysis. sample collected from subway track area was found #2 oil.04/26/10-Hiralkumar Patel.10:18 AM:- received call from Mr. Daniels, environmental person at Chartis insurance which is second insurance company for the site. Mr. Daniels mentioned that both insurance companies are involved in project. asked Mr. Daniels to submit insurance claim project manager's info and clear information about who is going to handle entire cleanup project.Larry DanielsChartis InsuranceAIGPh. (201) 631-7233 (O) (917) 783-6035 (C) Fax (201) 631-5053email: larry.daniels@chartisinsurance.com11:03 AM:- received email from Tanya Crawford, analyst working on insurance claim at Chartis.Tanya Crawford **analyst**Chartis101 Hudson Street - 29th FloorJersey City, NJ 07302Ph. (201) 631-7158Fax (866) 467-3498email: tanya.crawford@chartisinsurance.comChartis Claim Number: 182-1115351:11 PM:- received email from Mr. Sokol with copy of delivery record from 01/07/08 to 04/01/10.3:43 PM:- received email from Mr. Sokol with sample results. fingerprint analysis indicates #2 oil and found heavy VOC contamination in soil sample.04/27/10-Hiralkumar Patel.4:01 PM:- after discussion with DEC Austin, as fingerprint analysis results match (#2 oil) and proximity of the subject site to the impacted subway area, spill #: 1000435 will be closed and investigated under spill #: 1000528.3:03 PM:- received email from Mr. Daniels and Ms. Gaurin requesting copy of MTA's fingerprint analysis result.04/28/10-Hiralkumar Patel.11:05 AM:- sent email to Mr. Daniels and Ms. Gaurin with copy of MTA's fingerprint analysis result.11:08 AM:- sent letter to Mr. Sokol requiring soil delineation along remote fill line, endpoint samples and at least one groundwater sample near source area. letter emailed to Mr. Sokol, Ms. Aslam, Mr. Udeshi, Ms. Gaurin, Mr. Krigstin, Mr. Daniels and Ms. Crawford.05/21/10-Hiralkumar Patel.1:29 PM:- left message for Ms. Gaurin inquiring updates.3:59 PM:- received email from Ms. Gaurin. she got drawings from MTA and now will prepare work plan for soil investigation. will submit work plan to DEC and MTA for approval next week. will apply for NYC DOT permit on 05/24/10.06/01/10-Hiralkumar Patel. received email from Ms. Gaurin (at 9:13 AM on 05/28/10) requesting deadline extension.11:00 AM:- received call from Ms. Gaurin. she mentioned that currently they are preparing work plan and will submit by end of 06/04/10. she requested 45 days extension as work plan needs to be reviewed/approved by DEC and MTA and also they need permit from DOT. based on available information, approved her request.06/08/10-Hiralkumar Patel.10:31 AM:- received work plan from Ms. Gaurin. proposes to install 12 soil borings to a depth of 10-15 ft bg. will collect two soil samples (highest PID and deepest dry) from each boring. will install one temporary well point to collect groundwater water in area where old fill line was located. will collect one more soil sample from the deepest visually impacted material for a forensic fingerprint analysis to find date of the release.work plan is not acceptable as doesn't include work schedule and also site map included in work plan doesn't include the site address and location of old fill line.06/10/10-Hiralkumar Patel.1:03 PM:- received email from Jen from

COURT PLAZA (Continued) **S110309405**

MTA. she confirmed that no more oil leak found on tracks. she asked for updates.1:32 PM:- sent email to Jen informing that the department is currently reviewing the work plan for subsurface investigation.1:36 PM:- spoke with Ms. Gaurin. asked her to submit revised work plan including timeline for report submission and general site map showing the subject site, old fill line and proposed boring locations.06/16/10-Hiralkumar Patel.4:34 PM:- received email from Ms. Gaurin with revised work plan. she proposes to submit report by end of 08/16/10.06/17/10-Hiralkumar Patel.2:21 PM:- sent work plan approval letter to Mr. Sokol requiring to submit report by end of 08/16/10. letter emailed to Mr. Udeshi, Mr. Aslam, Ms. Gaurin, Mr. Krigstin and Ms. Crawford.07/27/10-Hiralkumar Patel.11:38 AM:- received email from Ms. Gaurin. she mentioned that they have got required NYCDOT permits, but still waiting for approval from MTA. they are revising engineered drawings for MTA this week and hopefully will be in the field on August 9th. due to delay in getting approval from MTA, Ms. Gaurin requested deadline extension, for report submission, till 09/16/10.07/28/10-Hiralkumar Patel.11:25 AM:- sent email to Ms. Gaurin approving her request to submit report by 09/16/10. email copied to Mr. Sokol.08/04/10-Hiralkumar Patel.11:18 AM:- received email from Ms. Gaurin. she confirmed that work will start on 08/09/10. Francis Ronquillo (cell # 619-602-1745) from tetratech will supervise the field activities.09/07/10-Hiralkumar Patel.2:20 PM:- left message for Ms. Gaurin.4:16 PM:- received message from Ms. Gaurin. she is preparing report and will submit by 09/16/10. she mentioned that contamination found in soil samples and free product found on water.09/16/10-Hiralkumar Patel.4:24 PM:- received investigation report from Ms. Gaurin. abstract:- GPR survey indicated another line along the previously excavated remote fill line, which was later found as cable line- installed 12 soil borings to depth of 10-15 ft bg- soil under the sidewalk was poorly graded sandy soil with very little gravel- soil samples were collected either at highest PID reading or deepest dry- one temporary well installed in proximity of the source area- found free product on water sample from temporary well- groundwater was encountered at approx. 15 ft bg- one soil sample was collected at 11 ft depth from boring TTB-1 (closer to source area) forensic fingerprint analysis (results will be submitted once available)- no contamination found in borings installed near the building foundation wall (south side), but contamination found towards the street curb (towards subway) (north side)- recommends further delineation in east and west directionsoil analyticals:
----------TTB-1-------TTB-2-------TTB-5-------TTB-6---
----TTB-7 3-5 ft 3-5 ft 5-6 ft 6-7 ft 4-6
ftToluene----------4,990------16,600-------2,
130Ethylbenzene----------3,000------12,500-------2,
160Xylene----------20,400------85,600------13,300------17,
200-------6,560Naphthalene----------14,200------13,700-------2,
330------20,900------10,
800----------TTB-8-------TTB-9-------TTB-10 4-6 ft
6-8 ft 5-6.5
ftToluene----------5,490----------13,
500Ethylbenzene----------3,420----------11,
300Xylene----------32,100-------7,580-------66,
700Naphthalene----------16,300----------5,79009/20/
10-Hiralkumar Patel. after discussing with DEC Austin, case transferred to DEC Vadim due to groundwater contamination and impact

COURT PLAZA (Continued) **S110309405**

to the MTA tunnel.**refer to spill # 1000435 also.**11/8/10 - reassigned from Tibbe to JMOCONNE - sent email to TetraTech (Gaurin) asking for reports/work plans submitted but not reviewed (JOC)01/14/11 - spoke with Sandra Gaurin, Tetratech. She will prepare and provide two separate documents: work plan for installing permanent well at location of former temp to allow removal of free product in the short term; separate work plan for delineation of contam soil and gw - to be written as dynamic work plan - will include some means to evaluate whether oil migrated down along outside front (north side) of building where fill line enters building; same along inside of wall (basement has soil floor); will include sensitive receptor survey; recognized that MTA approval is needed for all work due to proximity of subway (JOC)11/28/11 - Raphael Ketani. I reviewed the Tetra Tech Inc. 11/23/11 response letter to the DEC 10/11/11 letter commenting on the additional Site Investigation Work Plan and the Interim Remedial Measure Work Plan dated April 2010. The letter described the tentative work schedule. During this week, the NYCDOT permit applications are supposed to be processed. I spoke to Sandra Gaurin (gor-in) of Tetra Tech (973) 630-8040 about this. She said that some changes were required. So the applications were resubmitted. She is hopeful that the applications will finally be accepted so that December 12 field activities can commence. I also asked her why Tetra Tech was going to use the Membrane Inter Phase screening. She said that this was Mr. O'Connell's suggestion so that Tetra Tech doesn't have to go back and forth with doing many rounds of soil sampling and taking many soil samples that need to be sent off for analysis. She said that the vapor analysis from the penetration points will tell them where the worst contamination is. I told her that the DEC will still require that soil end points be taken after all of the soil that can be excavated has been removed. She said that she expected to do in-situ treatment due to the close location to the subway. I asked her what type of building was being serviced by the fuel system. She said that it's a residential/commercial building near the court house.The letter also dealt with vertical delineation of the contamination and soil and groundwater sampling. I approved the 11/23/11 Tetra Tech letter in an e-mail to Ms. Gaurin.12/5/11 - Raphael Ketani. Ms. Gaurin (973) 630-8040 sent me an e-mail. The MIP investigation will take place between 12/19 and 12/22, and the recovery well installation will take place on 1/3/12.3/7/12 - Raphael Ketani. Today I received the TetraTech March 2012 Remedial Investigation Report. The soil and groundwater were sampled on 12/21/11. Four MIPS and two soil borings (SB-1 and SB-2) were installed. MIP-1 was installed next to the old fuel line. MIP-2 was 15 feet southwest of MIP-1 and MIP-4 was 6 feet to the northeast. The soil results for MIP-2 did not have any VOC exceedences and no BNA (bases-neutral-acid) hits. The soil results for MIP-4 at 9 feet bgs were: 3360 ppb ethylbenzene, 5310 ppb toulene, and 59,300 ppb total xylenes. The deeper soil results for MIP-4 had only one exceedence, 945 ppb of total xylenes. The great majority of the soil contamination at MIP-1 was in the 10.5 foot to 12 foot interval. These results were up to: 10,800 ppb ethylbenzene, 6240 ppb toluene, 67,100 ppb total xylenes, 23,700 ppb naphthalene, and 284 ppb benzene. There were no significant detections for the BNA analytes. The other MIP results and the results from the regular soil borings were either without exceedences or non-detect. A groundwater sample was taken at MIP-3, which is about 35 away from the old fuel line. The results were entirely non-detect.The RIR also included the

COURT PLAZA (Continued) **S110309405**

figures from the 2010 soil testing and sampling. The testing and sampling locations defined the limits of the investigation area. The results indicated that there were significant exceedences at TTB-1, 2, 5, 6, 8 and 10. I spoke to Ms. Gaurin (973) 630-8040 about the RIR. I told her that soil removal or remediation should take place at the locations of MIP-1, MIP-4, and TTB-1, 2, 5, 6, 8 and 10. I also told her that the groundwater sample which was taken at MIP-3 didn't reflect the groundwater conditions near the spill site as it was too far away (about 35 feet distance). Ms. Gaurin said that there had been a few inches of product on the water table, but it had disappeared. I asked her why the MIP-3 sampling didn't find the product. She responded that the MTA had been collecting the product that had seeped into the subway. So she assumed it had all gone there. I told her that the DEC didn't believe that this was true and that there should be some product near the old fuel pipe. I asked Ms. Gaurin to submit a work plan for excavating the contaminated soil in the affected areas. She said that excavation couldn't be done as there were too many utilities. I then told her to try treatment solutions. She said that she wasn't sure they would work. Lastly, I told Ms. Gaurin to submit a site plan showing where the utilities are in relationship to the MIP locations and the TTB locations. She said that she will.In the end, I determined that soil treatment and the installation of a well right next to MIP-1 would be necessary. I sent an e-mail to Ms. Gaurin (973) 630-8040 stating that the second investigation had been inadequate regarding the delineation of the soil contamination. I mentioned in the e-mail that high soil contamination was found at TTB-1, 2, 5, 6, 8 and 10, and at MIP-1 and MIP-4. I also stated that borings should have been performed extending away from these locations until the limit of the soil contamination had been found. Lastly, I asked for a scaled drawing showing where all of the utilities were.Ms. Gaurin responded by e-mail that the TTB series of borings were meant for only internal TetraTech use in order to evaluate the MIP responses. That is why they were in the appendices. She also stated that they were performed in 2010 and don't reflect current conditions.12/11/12 - Raphael Ketani. Ms. Gaurin (973) 630-8040 called to say that she just recently realized that the DEC hadn't been sent the information that was requested some time ago. She said that the project manager had left and so things came to a standstill regarding the project. She will send the DEC the information very soon. 12/24/12 - Raphael Ketani. I reviewed the Addendum to the Remedial Investigation Report dated April 2012 and revised December 2012. The information in the revised Addendum confirmed the results of the earlier March 2012 Remedial Investigation Report and contained additional data.The additional information and data consisted of the fact that only 4 Membrane Interface Probe MIP locations could be installed due to the presence and density of the utilities. In the Addendum, it is stated that there is universal refusal at 20 feet bgs. However, it is not mentioned whether this is due to the presence of the subway tunnel. Also, the silt content of the soil markedly increased from about 14 to 15 feet bgs. Again, this may be due to the method of subway tunnel construction - the silt acting as a protective layer from ground vibration from the street above. Groundwater recovery was limited to 11 to 14 feet bgs.MIP-1 had a strong Flame Ionization Detection (FID) response at 12 feet, but less below 12.5 feet. MIP-2 near the former TTB-5 location had an FID response starting at 5 feet with the strongest response at 10 to 12 feet bgs. The response declined below

COURT PLAZA (Continued) **S110309405**

this horizon. MIP-3, which is 35 feet to the west of the former fill pipe location, had lower FID responses than MIP-2 at 12 and 16 feet below grade. MIP-4 near the former location of TTB-10 had FID responses starting at 6.5 feet bgs. There was no FID response at 12 feet bgs. Soil impacts appear to diminish to the west. A soil sample taken where the fill line had entered the building did not indicate contamination. There were no reports of product in the subway since the line was replaced during April 2010. There were significant VOC exceedences at TTB-1, 2 and 5 to 10 (but not at TTB-4 and 11 to 13). There were also significant VOC exceedences at the locations of MIP-1, MIP-4. This implies that there is still high soil contamination along the west and north sides of the 15 foot by 15 foot main impact area. The highest soil contamination was found between 3 feet and 8 feet bgs. VOC groundwater results were high at TTGW-1 (15 feet bgs). The groundwater sample which was taken at MIP-3 didn't reflect the groundwater conditions near the spill site as it was too far away (about 35 feet distance). TetraTech recommended allowing Monitored Natural Attenuation to remediate the remaining contamination. They would also conduct groundwater monitoring.12/26/12 - Raphael Ketani. A letter was drafted and submitted to Hassan Hussein, EE III and supervisor of Unit C in Region 2, for his review. In the letter, the DEC requested that a method be determined for remediating the soil contamination at TTB-1, 2 and 5 to 10, and at MIP-1 and MIP-4. It was also requested that they find a way to reduce the VOC contamination in the groundwater. Court Square LLC was given until January 18, 2013 to submit a remedial action work plan.The latest ownership information for 5 Court Square (block and lot 81 and 9) is: Court Square LLC, c/o Fisher Associates Real Estate, 152 West 57th Street, 12th Floor, NY, 10019.12/27/12 - Raphael Ketani. Mr. Hussein approved the letter and it was sent out. 1/18/2013 - Raphael Ketani. I received the January 2013 Remedial Action Work Plan and began my review.1/23/13 - Raphael Ketani. I finished my review of the RAWP. TetraTech will use RegenoOx to reduce or remove the soil contamination at TTB-1, 2, 5 and 10 and MIP-1 and MIP-4. Seven temporary injection points will be installed 10 feet apart. About 1440 lbs. of solution will be injected between 3 to 8 feet below grade. ORC Advanced will be used to remediate the groundwater at TT-GW1. They will inject 120 lbs. of solution at 4 temporary points. The solution will be injected between 15 and 20 feet below grade. Two sampling events will be performed on a quarterly basis after the injections are completed. Soil and groundwater samples will be taken from 4 temporary points within the injection area. The soil and groundwater samples will be tested for VOCs and SVOCs. The work schedule will be submitted after they get approvals from the NYC DOT and the MTA. The Remedial Action Report will be submitted after the treatments and sampling are completed. CP-51 standards will be used to compare the soil results. TOGS 1.1.1 standards will be used to compare the groundwater results.I found the RAWP to be deficient for the following reasons:(1) they intend to address the soil contamination at TTB-1, 2, 5 and 10. However, the DEC's letter approving the revised April 2012 Remedial Investigation Report Addendum (Revised December 2012) dated 12/27/12 instructed Court Square LLC to remediate the soil contamination at TTB-1, 2 and 5 TO 10, not 5 and 10.(2) there is no discussion regarding the siltyness of the soil and its impact on the movement of the solution(3) the site is near the subway tunnel, will the MTA only give approval to the injections if the solution is in a weak form? if

COURT PLAZA (Continued) **S110309405**

so, then the solution may not be effective(4) Figure 2 - Treatment Area Map = the actual solution injection locations are not shownAdditionally, Court Square LLC must consider the following before the injections take place:(1) they need to comply with the Federal underground injection control (UIC) regulations. Also, they should review the DEC guidance (IGP-22);(2) information is needed regarding the dosing of the solutions (i.e. mass of chemical per mass of VOCs and SVOCs);(3) how will the conditions in the subsurface be kept oxic?(4) it is recommended that groundwater be extracted from the proposed injecton area to minimize displacement of the dissolved plume. The pre-extracted water could be used to prepare the treatment solutions;(5) how will the treatment solutions be prevented from migrating off site? are there downgradient control wells? A response letter was drafted for the review of Mr. Hussein. The letter stated the above deficiencies and listed the 5 above pre-injection items. The submission of a revised Remedial Action Work Plan was requested with a due date for the work plan of March 1, 2013. Mr. Hussein approved the letter and it was sent out. 3/1/13 - Raphael Ketani. Ms. Gaurin (973) 630-8040 sent an e-mail requesting an extension of the submission deadline for the work plan to March 15, 2013. She said that they needed to get additional contractor quotes. I granted the extension.3/21/13 - Raphael Ketani. I received and reviewed the revised Remedial Action Work Plan dated March 2013. Tetra Tech plans to inject the treatment solutions at the 10 locations indicated in the DEC 1/25/13 letter. These are TTB-1, TTB-2, TTB-5 to TTB-10 and MIP-1 and MIP-4. About 1440 lbs. of RegenOx will be injected at a depth of 3 to 8 feet bgs. A 5% solution will be used. There will be two rounds of injections two weeks apart. About 120 lbs. of ORC Advanced will be injected into the saturated zone at 15 to 20 feet bgs at the locations TTGW-1, TTB-5 to TTB-7 and TTB-9. The treatment solutions will be allowed to work for 9 to 12 months. After this period of time, there will be two rounds of confirmatory soil and groundwater sampling on a quarterly basis. The samples will be tested for VOCs and SVOCs. If the MTA doesn't approve the plan, then excavation will take place in order to remove the contamination. A USEPA form 40 CFR Part 144 will be submitted to the EPA.I approved the revised work plan in an e-mail to Ms. Gaurin and indicated that the DEC would like the work to proceed as soon as possible.5/15/13 - Raphael Ketani. I tried to contact Ms. Gaurin (973) 630-8040 regarding progress at the site, but could only leave a voice message and send an e-mail.Later, Ms. Gaurin sent me an e-mail stating: We submitted draft engineering drawings to the MTA just after receiving your approval and we only heard back from them last week. We need to pick up the marked up copies of our drawings and address their comments. Then we will resubmit the drawings for review/approval which may take MTA several weeks. We will contact you as soon as we receive MTA approval and are ready to schedule the injection.8/23/13 - Raphael Ketani. I hadn't received any correspondences from Ms. Gaurin regarding progress at the site. Therefore, I sent her an e-mail requesting an update.8/24/13 - Raphael Ketani. Ms. Gaurin sent me an e-mail today stating that Tetra Tech received the comments on the drawings from the MTA. Tetra Tech intends to resubmit the drawings with the responses to the comments sometime during September 2013. Until the drawings are finalized, a drilling contractor will not be retained or scheduled. It is expected that no work will take place until October or later.

Remarks: leaking fill line/repairs and clean up pending

COURT PLAZA (Continued) **S110309405**

Material:

Site ID:	431696
Operable Unit ID:	1183167
Operable Unit:	01
Material ID:	2177365
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H74 **EDR US Hist Auto Stat** **1015520616**
WSW **5 COURT SQ** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
0.124 mi.
654 ft. **Site 8 of 8 in cluster H**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	AIRPORT CAR SERVICE
Year:	2003
Address:	5 COURT SQ
Name:	AIRPORT CAR SERVICE
Year:	2011
Address:	5 COURT SQ

L75 **LOT 27,TAXBLOCK 431** **NY E DESIGNATION** **S108469548**
NNE **42-74 HUNTER STREET** **N/A**
< 1/8 **QUEENS, NY 11101**
0.124 mi.
657 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
15 ft.

E DESIGNATION:

Tax Lot(s):	27
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	QN
Community District:	402
Census Tract:	19
Census Block:	1003
School District:	30
City Council District:	26
Fire Company:	E258

LOT 27,TAXBLOCK 431 (Continued) **S108469548**

Health Area:	41
Police Precinct:	108
Zone District 1:	M1-5/R7-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	LIC
Special Purpose District2:	Not reported
All Components1:	M1-5/R7-3/LIC
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	B9
Land Use Category:	01
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	FELIPE C PAEZ
Lot Area:	000001115
Total Building Floor Area:	00000001180
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00002
Non and Residential Units:	00002
Lot Frontage:	0025.00
Lot Depth:	0044.58
Building Frontage:	0025.00
Building Depth:	0024.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	1
Land Assessed Value:	00000001683
Total Assessed Value:	00000009592
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1901
Year Built Code:	E
Year Altered1:	2002
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.06
Maximum Allowable Far:	05.00
Borough Code:	4
Borough Tax Block And Lot:	4004310027
Condominium Number:	00000
Census Tract 2:	0019
X Coordinate:	1000661
Y Coordinate:	0212059
Zoning Map:	09B

LOT 27,TAXBLOCK 431 (Continued) **S108469548**

Sanborn Map:	401 024
Tax Map:	40302
E Designation No:	E-104
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

K76
ENE
1/8-1/4
0.125 mi.
662 ft.

Relative:
Higher

Actual:
16 ft.

TOP STAR FABRICARE **NY DRYCLEANERS** **S110248144**
43-43 QUEENS STREET **N/A**
LI CITY, NY 11101

Site 2 of 2 in cluster K

DRYCLEANERS:

Facility ID:	2-6304-00678
Phone Number:	718-784-4332
Region:	Not reported
Registration Effective Date:	10/5/2007
Inspection Date:	07SEP12
Install Date:	98
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

M77
SW
1/8-1/4
0.128 mi.
677 ft.

Relative:
Lower

Actual:
13 ft.

CON EDISON **NY MANIFEST** **S113495763**
45-34 COURT SQ **N/A**
QUEENS, NY 11101

Site 1 of 5 in cluster M

NY MANIFEST:

EPA ID:	NYP004294823
Country:	USA
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported

CON EDISON (Continued) **S113495763**

Generator Ship Date:	20-Mar-2013 00:00:00
Trans1 Recv Date:	20-Mar-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	20-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004294823
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002017269GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

M78 **EAGLE ELECTRIC MANUFACTURING CO** **RCRA-CESQG 1000279162**
SW **45-31 COURT SQ** **NY CBS AST NYD001287986**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.128 mi. **NY CBS**
677 ft. **Site 2 of 5 in cluster M** **US AIRS**

Relative:
Lower

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	COOPER WIRING DEVICES (EAGLE ELECTRIC)
Facility address:	45-01 COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYD001287986
Mailing address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact:	SAED ABUASI
Contact address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 361-4821
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	US
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	US
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Owner/operator name:	COOPER INDUSTRIES
Owner/operator address:	600 TRAVIS HOUSTON, TX 77002
Owner/operator country:	Not reported
Owner/operator telephone:	(713) 209-8618
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2000
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Small Quantity Generator

Date form received by agency: 01/20/2005
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Large Quantity Generator

Date form received by agency: 02/05/2002
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Classification: Large Quantity Generator

Date form received by agency: 01/14/2002
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Small Quantity Generator

Date form received by agency: 01/01/2001
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG CO
Classification: Large Quantity Generator

Date form received by agency: 10/17/2000
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Large Quantity Generator

Date form received by agency: 02/18/1998
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 05/24/1996
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG INC
Classification: Large Quantity Generator

Date form received by agency: 02/18/1994
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MFG. CO. INC.
Classification: Large Quantity Generator

Date form received by agency: 03/25/1992
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MANUFACTURING
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: EAGLE ELECTRIC MANUFACTURING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 10/31/1985

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Facility name: COOPER WIRING DEVICES (EAGLE ELECTRIC)
Site name: COOPER WIRING DEVICES
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Facility Has Received Notices of Violations:

Regulation violated: SR - 373-3.3b & 373-3.9d1
Area of violation: Generators - General
Date violation determined: 02/12/1999
Date achieved compliance: 10/27/1999
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/31/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 18000
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.3b & 373-3.9d1
Area of violation: Generators - General
Date violation determined: 02/12/1999
Date achieved compliance: 10/27/1999
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 32508
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/01/1996
Date achieved compliance: 10/22/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/12/1994
Date achieved compliance: 07/11/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/12/1994
Date achieved compliance: 07/11/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/18/1987
Date achieved compliance: 04/14/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 10/15/1987
Date achieved compliance: 06/08/1988
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/15/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Final penalty amount: 500
Paid penalty amount: 500

Evaluation Action Summary:

Evaluation date: 05/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/27/1999
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/12/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/27/1999
Evaluation lead agency: EPA

Evaluation date: 09/24/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/22/1996
Evaluation lead agency: State

Evaluation date: 02/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/11/1994
Evaluation lead agency: State

Evaluation date: 02/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/11/1994
Evaluation lead agency: State

Evaluation date: 12/18/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/14/1988
Evaluation lead agency: State

Evaluation date: 10/15/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Manifest
Date achieved compliance: 06/08/1988
Evaluation lead agency: State

CBS AST:

CBS Number: 2-000041
ICS Number: 2-125791
PBS Number: Not reported
MOSF Number: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 937-8000
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	05/12/1999
Total Capacity of All Active Tanks(gal):	0
Operator:	CHARLES FARLEY
Emergency Contact:	ANTHONY TORCIA
Emergency Phone:	(718) 937-8000
Owner Name:	EAGLE ELECTRIC MFG CO. INC.
Owner Address:	45-31 COURT SQUARE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 937-8000
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	EAGLE ELECTRIC MFG CO. INC.
Mail Contact Addr:	45-31 COURT SQUARE
Mail Contact Addr2:	Not reported
Mail Contact Contact:	ANTHONY TORCIA
Mail Contact City,St,Zip:	LONG ISLAND CITY, NY 11101
Mail Phone:	(718) 937-8000

Tank Id:	1
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	11/87
Tank Closed:	07/99
Capacity (Gal):	4300
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass coated steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	05/12/1989
Certified Date:	02/26/1997
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Catch Basin
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Renew Date:	06/14/93
Is It There:	False
Delinquent:	False
Date Expired:	05/12/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	09/06/2001

NY MANIFEST:

EPA ID:	NYD001287986
Country:	USA
Mailing Name:	EAGLE ELECTRIC MANUFACTURING CO
Mailing Contact:	EAGLE ELECTRIC MANUFACTURING CO
Mailing Address:	45-31 COURT SQUARE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-937-8000

Document ID:	NYA6405507
Manifest Status:	Completed copy
Trans1 State ID:	CT1469A
Trans2 State ID:	CT3372A
Generator Ship Date:	871117
Trans1 Recv Date:	871117
Trans2 Recv Date:	871117
TSD Site Recv Date:	871118
Part A Recv Date:	871127
Part B Recv Date:	871201
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	36820
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405516
Manifest Status:	Completed copy
Trans1 State ID:	CTG60164
Trans2 State ID:	Not reported
Generator Ship Date:	871105
Trans1 Recv Date:	871105
Trans2 Recv Date:	871105
TSD Site Recv Date:	871106

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part A Recv Date:	871113
Part B Recv Date:	871120
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	31920
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405561
Manifest Status:	Completed copy
Trans1 State ID:	S2908
Trans2 State ID:	Not reported
Generator Ship Date:	880119
Trans1 Recv Date:	880119
Trans2 Recv Date:	880119
TSD Site Recv Date:	880119
Part A Recv Date:	880122
Part B Recv Date:	880127
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405489
Manifest Status:	Completed copy
Trans1 State ID:	G-60164
Trans2 State ID:	92472CT
Generator Ship Date:	880105
Trans1 Recv Date:	880105
Trans2 Recv Date:	880105
TSD Site Recv Date:	880106
Part A Recv Date:	880121
Part B Recv Date:	880112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405687
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: S2908CT
Generator Ship Date: 880223
Trans1 Recv Date: 880223
Trans2 Recv Date: 880223
TSD Site Recv Date: 880224
Part A Recv Date: 880226
Part B Recv Date: 880307
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00029
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405669
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: 95910-CT
Generator Ship Date: 880405
Trans1 Recv Date: 880405
Trans2 Recv Date: 880405
TSD Site Recv Date: 880406
Part A Recv Date: 880411
Part B Recv Date: 880419
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 41700
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405723
Manifest Status: Completed copy

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 State ID:	CT-3371A
Trans2 State ID:	CTS2496
Generator Ship Date:	890905
Trans1 Recv Date:	890905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890906
Part A Recv Date:	890911
Part B Recv Date:	890920
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37882
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA6405642
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	CT
Generator Ship Date:	900405
Trans1 Recv Date:	900405
Trans2 Recv Date:	900405
TSD Site Recv Date:	900406
Part A Recv Date:	900502
Part B Recv Date:	900508
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	27840
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

Document ID:	NYA3019972
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	S2498-CT
Generator Ship Date:	900612
Trans1 Recv Date:	900612
Trans2 Recv Date:	900612
TSD Site Recv Date:	900628
Part A Recv Date:	900731
Part B Recv Date:	900813
Generator EPA ID:	NYD001287986

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CTD980521280
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 26280
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 90

Document ID: NYA6405876
Manifest Status: Completed copy
Trans1 State ID: CT3371A
Trans2 State ID: V4165CT
Generator Ship Date: 910723
Trans1 Recv Date: 910723
Trans2 Recv Date: 910723
TSD Site Recv Date: 910724
Part A Recv Date: 910731
Part B Recv Date: 910812
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: CTD983872748
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 28528
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 91

Document ID: NYB5110155
Manifest Status: Completed copy
Trans1 State ID: CT92478
Trans2 State ID: Not reported
Generator Ship Date: 941101
Trans1 Recv Date: 941101
Trans2 Recv Date: Not reported
TSD Site Recv Date: 941101
Part A Recv Date: 941109
Part B Recv Date: 941121
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 23800
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Specific Gravity: 100
Year: 94

Document ID: NYB5110182
Manifest Status: Completed copy
Trans1 State ID: V18963LT
Trans2 State ID: Not reported
Generator Ship Date: 940804
Trans1 Recv Date: 940804
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940805
Part A Recv Date: 940815
Part B Recv Date: 940822
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 24493
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NJA2086136
Manifest Status: Completed copy
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 950606
Trans1 Recv Date: 950606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950609
Part A Recv Date: 950703
Part B Recv Date: 950622
Generator EPA ID: NYD001287986
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00726
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYB6582195
Manifest Status: Completed copy
Trans1 State ID: S2908
Trans2 State ID: Not reported
Generator Ship Date: 960502

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 Recv Date:	960502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960503
Part A Recv Date:	960510
Part B Recv Date:	960521
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	33847
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

Document ID:	NYB6786738
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	3009A
Trans2 State ID:	Not reported
Generator Ship Date:	960801
Trans1 Recv Date:	960801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960801
Part A Recv Date:	960819
Part B Recv Date:	960827
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	21653
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYC6585603
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	11/18/2002
Trans1 Recv Date:	11/18/2002
Trans2 Recv Date:	11/21/2002
TSD Site Recv Date:	12/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NCD000648451
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00900
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00010
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC7410238
Manifest Status: Not reported
Trans1 State ID: NY55817JC
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/27/2004
Trans1 Recv Date: 10/27/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD001287986
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00600
Units: P - Pounds
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYA3525366
Manifest Status: Completed copy

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 State ID: S95636
Trans2 State ID: Not reported
Generator Ship Date: 861105
Trans1 Recv Date: 861105
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861105
Part A Recv Date: 861107
Part B Recv Date: 861112
Generator EPA ID: NYD001287986
Trans1 EPA ID: NYD050592807
Trans2 EPA ID: Not reported
TSDF ID: NYD000691949
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00030
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 86

Document ID: NYA6405588
Manifest Status: Completed copy
Trans1 State ID: CT-3371A
Trans2 State ID: Not reported
Generator Ship Date: 880503
Trans1 Recv Date: 880503
Trans2 Recv Date: 880503
TSD Site Recv Date: 880504
Part A Recv Date: 880517
Part B Recv Date: 880512
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00018
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405651
Manifest Status: Completed copy
Trans1 State ID: CT-G60164
Trans2 State ID: S2497GK
Generator Ship Date: 880419
Trans1 Recv Date: 880419
Trans2 Recv Date: 880419
TSD Site Recv Date: 880420
Part A Recv Date: 880422
Part B Recv Date: 880428
Generator EPA ID: NYD001287986

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00026
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Click this hyperlink while viewing on your computer to access
108 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID: CDD001287986
Country: USA
Mailing Name: EAGLE MANUFACTURING CO- EXPORTER
Mailing Contact: EAGLE MANUFACTURING CO- EXPORTER
Mailing Address: 45-31 COURT SQUARE-EXPORTER
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-937-8000

Document ID: NYA6405507
Manifest Status: Completed copy
Trans1 State ID: CT1469A
Trans2 State ID: CT3372A
Generator Ship Date: 871117
Trans1 Recv Date: 871117
Trans2 Recv Date: 871117
TSD Site Recv Date: 871118
Part A Recv Date: 871127
Part B Recv Date: 871201
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: CTD980521280
TSDF ID: CDD001287986
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 36820
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 87

Document ID: NYA6405516
Manifest Status: Completed copy
Trans1 State ID: CTG60164
Trans2 State ID: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Generator Ship Date:	871105
Trans1 Recv Date:	871105
Trans2 Recv Date:	871105
TSD Site Recv Date:	871106
Part A Recv Date:	871113
Part B Recv Date:	871120
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD001287986
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	31920
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYA6405561
Manifest Status:	Completed copy
Trans1 State ID:	S2908
Trans2 State ID:	Not reported
Generator Ship Date:	880119
Trans1 Recv Date:	880119
Trans2 Recv Date:	880119
TSD Site Recv Date:	880119
Part A Recv Date:	880122
Part B Recv Date:	880127
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405489
Manifest Status:	Completed copy
Trans1 State ID:	G-60164
Trans2 State ID:	92472CT
Generator Ship Date:	880105
Trans1 Recv Date:	880105
Trans2 Recv Date:	880105
TSD Site Recv Date:	880106
Part A Recv Date:	880121
Part B Recv Date:	880112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00030
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405687
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: S2908CT
Generator Ship Date: 880223
Trans1 Recv Date: 880223
Trans2 Recv Date: 880223
TSD Site Recv Date: 880224
Part A Recv Date: 880226
Part B Recv Date: 880307
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00029
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYA6405669
Manifest Status: Completed copy
Trans1 State ID: G-60164CT
Trans2 State ID: 95910-CT
Generator Ship Date: 880405
Trans1 Recv Date: 880405
Trans2 Recv Date: 880405
TSD Site Recv Date: 880406
Part A Recv Date: 880411
Part B Recv Date: 880419
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 41700
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Document ID:	NYA6405723
Manifest Status:	Completed copy
Trans1 State ID:	CT-3371A
Trans2 State ID:	CTS2496
Generator Ship Date:	890905
Trans1 Recv Date:	890905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890906
Part A Recv Date:	890911
Part B Recv Date:	890920
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37882
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA6405642
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	CT
Generator Ship Date:	900405
Trans1 Recv Date:	900405
Trans2 Recv Date:	900405
TSD Site Recv Date:	900406
Part A Recv Date:	900502
Part B Recv Date:	900508
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	CTD980521280
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	27840
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

Document ID:	NYA3019972
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT-3371A
Trans2 State ID:	S2498-CT
Generator Ship Date:	900612
Trans1 Recv Date:	900612
Trans2 Recv Date:	900612
TSD Site Recv Date:	900628
Part A Recv Date:	900731

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part B Recv Date: 900813
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD980521280
Trans2 EPA ID: Not reported
TSDF ID: CTD980521280
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 26280
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 90

Document ID: NYA6405876
Manifest Status: Completed copy
Trans1 State ID: CT3371A
Trans2 State ID: V4165CT
Generator Ship Date: 910723
Trans1 Recv Date: 910723
Trans2 Recv Date: 910723
TSD Site Recv Date: 910724
Part A Recv Date: 910731
Part B Recv Date: 910812
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: CTD983872748
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 28528
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 91

Document ID: NYB5110155
Manifest Status: Completed copy
Trans1 State ID: CT92478
Trans2 State ID: Not reported
Generator Ship Date: 941101
Trans1 Recv Date: 941101
Trans2 Recv Date: Not reported
TSD Site Recv Date: 941101
Part A Recv Date: 941109
Part B Recv Date: 941121
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 23800
Units: P - Pounds
Number of Containers: 001

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NYB5110182
Manifest Status: Completed copy
Trans1 State ID: V18963LT
Trans2 State ID: Not reported
Generator Ship Date: 940804
Trans1 Recv Date: 940804
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940805
Part A Recv Date: 940815
Part B Recv Date: 940822
Generator EPA ID: NYD001287986
Trans1 EPA ID: CTD983872748
Trans2 EPA ID: Not reported
TSDF ID: CDD980756415
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 24493
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

Document ID: NJA2086136
Manifest Status: Completed copy
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 950606
Trans1 Recv Date: 950606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950609
Part A Recv Date: 950703
Part B Recv Date: 950622
Generator EPA ID: NYD001287986
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00726
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYB6582195
Manifest Status: Completed copy
Trans1 State ID: S2908

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans2 State ID:	Not reported
Generator Ship Date:	960502
Trans1 Recv Date:	960502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960503
Part A Recv Date:	960510
Part B Recv Date:	960521
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	33847
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

Document ID:	NYB6786738
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	3009A
Trans2 State ID:	Not reported
Generator Ship Date:	960801
Trans1 Recv Date:	960801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960801
Part A Recv Date:	960819
Part B Recv Date:	960827
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	21653
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYC6585603
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	11/18/2002
Trans1 Recv Date:	11/18/2002
Trans2 Recv Date:	11/21/2002
TSD Site Recv Date:	12/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NCD000648451

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Trans2 EPA ID: Not reported
TSDF ID: Not reported
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00900
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U080 - METHYLENE CHLORIDE
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00010
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC7410238
Manifest Status: Not reported
Trans1 State ID: NY55817JC
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/27/2004
Trans1 Recv Date: 10/27/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD001287986
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00600
Units: P - Pounds
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Document ID:	NYA3525366
Manifest Status:	Completed copy
Trans1 State ID:	S95636
Trans2 State ID:	Not reported
Generator Ship Date:	861105
Trans1 Recv Date:	861105
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861105
Part A Recv Date:	861107
Part B Recv Date:	861112
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	NYD050592807
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA6405588
Manifest Status:	Completed copy
Trans1 State ID:	CT-3371A
Trans2 State ID:	Not reported
Generator Ship Date:	880503
Trans1 Recv Date:	880503
Trans2 Recv Date:	880503
TSD Site Recv Date:	880504
Part A Recv Date:	880517
Part B Recv Date:	880512
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00018
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	NYA6405651
Manifest Status:	Completed copy
Trans1 State ID:	CT-G60164
Trans2 State ID:	S2497GK
Generator Ship Date:	880419
Trans1 Recv Date:	880419
Trans2 Recv Date:	880419
TSD Site Recv Date:	880420
Part A Recv Date:	880422

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Part B Recv Date:	880428
Generator EPA ID:	NYD001287986
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00026
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

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108 additional NY_MANIFEST: record(s) in the EDR Site Report.

CBS:

CBS Number:	2-000041
Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	589216.38766999
UTMY:	4511035.8664899

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110000323169
Plant name:	EAGLE ELECTRIC MANUFACTURING CO
Plant address:	45-31 COURT SQ LONG ISLAND CITY, NY 11101
County:	QUEENS
Region code:	02
Dunn & Bradst #:	001287986
Air quality cntrl region:	043
Sic code:	3699
Sic code desc:	ELECTRICAL EQUIPMENT AND SUPPLIES, NEC
North Am. industrial classf:	335931
NAIC code description:	Current-Carrying Wiring Device Manufacturing
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1001
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: SULFUR DIOXIDE
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported

EAGLE ELECTRIC MANUFACTURING CO (Continued) **1000279162**

Turnover compliance: Not reported

M79 **45-30 COURT SQUARE** **NY AST** **U003384691**
SW **45-30 COURT SQUARE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.128 mi.
677 ft. **Site 3 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-092673
Program Type:	PBS
UTM X:	589165.14954000001
UTM Y:	4511102.4818799999
Expiration Date:	2017/02/14
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	2404
Affiliation Type:	Facility Owner
Company Name:	MICHAEL GELLING
Contact Type:	MEMBER
Contact Name:	MICHAEL GELLING
Address1:	9520 FALLS BRIDGE LANE
Address2:	Not reported
City:	POTOMAC
State:	MD
Zip Code:	20854
Country Code:	001
Phone:	(917) 716-3469
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/15/2012

Site Id:	2404
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	MICHAEL GELLING
Address1:	9520 FALLS BRIDGE LANE
Address2:	Not reported
City:	POTOMAC
State:	MD
Zip Code:	20854
Country Code:	001
Phone:	(917) 716-3469
EMail:	MRGELLING@GMAIL.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/15/2012

Site Id:	2404
Affiliation Type:	On-Site Operator
Company Name:	45-30 COURT SQUARE
Contact Type:	Not reported

45-30 COURT SQUARE (Continued) **U003384691**

Contact Name:	SABAHETA MRKULIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-3959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	2404
Affiliation Type:	Emergency Contact
Company Name:	MICHAEL GELLING
Contact Type:	Not reported
Contact Name:	THERESIA SCHATZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 533-3450
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	4244
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1916
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported

45-30 COURT SQUARE (Continued) **U003384691**

Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	05/08/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-092673
SWIS Code:	6301
Operator:	ALFRED HERTRICH
Facility Phone:	(718) 729-2766
Facility Addr2:	45030 COURT SQUARE
Facility Type:	APARTMENT BUILDING
Emergency:	COASTAL PETROLEUM TANK CORP
Emergency Tel:	(212) 475-4263
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	FREDERICK SCHATZ
Owner Address:	28-31 43RD STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11103
Federal ID:	Not reported
Owner Tel:	(718) 721-7682
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	FREDERICK SCHATZ
Mailing Address:	28-31 43RD STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11103
Mailing Telephone:	(718) 721-7682
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/05/1997
Expiration:	05/07/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service

45-30 COURT SQUARE (Continued) **U003384691**

Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

M80 **ROGERS ENGRAVING CO INC** **RCRA NonGen / NLR** **1000217522**
SW **45-61 COURT SQ** **FINDS** **NYD002405645**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.128 mi.
677 ft. **Site 4 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ROGERS ENGRAVING CO INC
Facility address:	45-61 COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYD002405645
Mailing address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact:	JOSEPH DUFFY
Contact address:	COURT SQ LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-6225
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

ROGERS ENGRAVING CO INC (Continued) **1000217522**

Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ROGERS ENGRAVING CO INC
Classification: Not a generator, verified

Date form received by agency: 11/26/1980
Facility name: ROGERS ENGRAVING CO INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004341178

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M81 **EAGLE ELECTRIC MFG CO INC** **NY AST** **U003393333**
SW **45-31 COURT SQ** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11104**
0.128 mi.
677 ft. **Site 5 of 5 in cluster M**

Relative:
Lower

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017418
Program Type:	PBS
UTM X:	589175.28622999997
UTM Y:	4511109.1542400001
Expiration Date:	2017/02/09
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	132
Affiliation Type:	Emergency Contact
Company Name:	ARRIC LOFTS CONDOMINIUM
Contact Type:	Not reported
Contact Name:	DUMITRU CULETU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 706-1721
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	On-Site Operator
Company Name:	45-31 COURT SQ
Contact Type:	Not reported
Contact Name:	DUMITRU CULETU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-7185
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	Mail Contact
Company Name:	DOUG ELLIMAN PROPERTY MGMT
Contact Type:	Not reported
Contact Name:	PATRICIA PETTWAY-BROWN
Address1:	675THIRD AVE--5TH FLOOR
Address2:	Not reported
City:	NY

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 350-2846
EMail:	PATRACIA-PETTWAY-BROWN@ELLIMAMNPR.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Site Id:	132
Affiliation Type:	Facility Owner
Company Name:	ARRIC LOFTS CONDOMINIUM
Contact Type:	MGR
Contact Name:	PATRICIA PETTWAY-BROWN
Address1:	45-31 COURT SQ
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 706-7185
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/11/2013

Tank Info:

Tank Number:	001
Tank Id:	27006
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1955
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Modified By:	msbaptis
Last Modified:	01/17/2007
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	27007
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	01/01/1955
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/07/2012
Register:	True
Modified By:	MSBAPTIS
Last Modified:	01/11/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-017418
SWIS Code:	6301
Operator:	EAGLE ELECTRIC MFG CO INC
Facility Phone:	(718) 937-8000
Facility Addr2:	45031 COURT SQ
Facility Type:	Not reported
Emergency:	ALFRED PIZZUTO
Emergency Tel:	(914) 962-6467
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ENGLE ELECTRIC MFG CO INC
Owner Address:	45-31 COURT SQ
Owner City,St,Zip:	LIC, NY 11104
Federal ID:	Not reported
Owner Tel:	(718) 937-8000
Owner Type:	Corporate/Commercial

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Owner Subtype:	Not reported
Mailing Contact:	AL PIZZUTO
Mailing Name:	EAGLE ELECTRIC MFG CO INC
Mailing Address:	45-31 COURT SQ
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LIC, NY 11104
Mailing Telephone:	(718) 937-8000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/30/1999
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	40000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002

EAGLE ELECTRIC MFG CO INC (Continued) **U003393333**

Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

L82 **42-64 HUNTER STREET** **NY LTANKS** **S102619659**
NNE **42-64 HUNTER STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.131 mi.
693 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	119063
Spill Number/Closed Date:	9310213 / 11/22/1993
Spill Date:	11/22/1993
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	11/22/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	11/22/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/23/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported

42-64 HUNTER STREET (Continued) **S102619659**

Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	103436
DEC Memo:	Not reported
Remarks:	CUST. REPORTED LEAK - SVC. MN. APPLIED MAGNA-OATCH - APPLIED SPEEDI DRY & P/U & DISPOSED WILL REPAIR TANK ROMORROW - ISLAND TANK CO. TO REPAIR.

Material:

Site ID:	119063
Operable Unit ID:	989155
Operable Unit:	01
Material ID:	392841
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L83 **EDR US Hist Auto Stat** **1015489097**
North **4243 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.132 mi.
699 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	AUTO EXPRESS
Year:	2011
Address:	4243 27TH ST

J84 **NYCT - COURT SQUARE STA G LINE** **RCRA NonGen / NLR** **1001203144**
West **JACKSON ST & COURT SQ** **FINDS** **NYR000045062**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.134 mi.
707 ft. **Site 2 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYCT - COURT SQUARE STA G LINE
Facility address:	JACKSON ST & COURT SQ LONG ISLAND CITY, NY 11101
EPA ID:	NYR000045062
Mailing address:	JAY ST ROOM 819 BROOKLYN, NY 11201

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Contact:	JAMES CRANDALL
Contact address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact country:	US
Contact telephone:	(718) 243-4581
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/0001
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Not a generator, verified

Date form received by agency: 06/11/2001
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Small Quantity Generator

Date form received by agency: 09/22/1997
Facility name: NYCT - COURT SQUARE STA G LINE
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110007908078

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000045062
Country: USA
Mailing Name: NYCTA
Mailing Contact: TOM ABDALLAH
Mailing Address: COURT SQUARE 28 20 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10004
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 646-252-3500

Document ID: NJA4049894
Manifest Status: Not reported
Trans1 State ID: NYD046765574
Trans2 State ID: Not reported

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Generator Ship Date:	07/31/2002
Trans1 Recv Date:	07/31/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/31/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA3174065
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	07/31/2000
Trans1 Recv Date:	07/31/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/08/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00600
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3292434
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	05/18/2001
Trans1 Recv Date:	05/18/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

TSDF ID: S8424
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00300
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3204930
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: NJD003812047
Generator Ship Date: 06/21/2001
Trans1 Recv Date: 06/21/2001
Trans2 Recv Date: 06/27/2001
TSD Site Recv Date: 06/27/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: H10376
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00122
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00097
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3266160
Manifest Status: Not reported
Trans1 State ID: NJD980772768
Trans2 State ID: Not reported
Generator Ship Date: 08/03/2001
Trans1 Recv Date: 08/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/03/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NJD991291105
Trans2 EPA ID: Not reported
TSDF ID: 06993
Waste Code: D008 - LEAD 5.0 MG/L TCLP

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Quantity: 01000
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NYB9515961
Manifest Status: Not reported
Trans1 State ID: NY0000291823
Trans2 State ID: Not reported
Generator Ship Date: 09/28/2001
Trans1 Recv Date: 09/28/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/14/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 1A375
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00500
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NYG3192318
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 01/04/2002
Trans1 Recv Date: 01/04/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/08/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000045062
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1010NY
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00580
Units: K - Kilograms (2.2 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

NYCT - COURT SQUARE STA G LINE (Continued) **1001203144**

Document ID:	PAE8688374
Manifest Status:	Not reported
Trans1 State ID:	NJR000005124
Trans2 State ID:	Not reported
Generator Ship Date:	03/10/1998
Trans1 Recv Date:	03/10/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/08/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000045062
Trans1 EPA ID:	PAD085690592
Trans2 EPA ID:	Not reported
TSDF ID:	PAAH0492
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	98

J85 **MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION** **RCRA-SQG** **1000789619**
West **JACKSON AVE & 45TH AVE** **NYD987010808**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 3 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA-SQG:

Date form received by agency:	08/13/2012
Facility name:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Facility address:	JACKSON AVE & 45TH AVE QUEENS, NY 11101
EPA ID:	NYD987010808
Mailing address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	(646) 252-3535

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **1000789619**

Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Owner/operator name: MTA NYCT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Not a generator, verified

Date form received by agency: 08/03/1992
Facility name: MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Site name: NYCTA - 11TH STREET SUBSTATION
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **1000789619**

Violation Status: No violations found

J86 **MTA NYCT - VENT PLANT 6406-7** **RCRA-SQG** **1012211711**
West **JACKSON AVE & 45TH AVE** **NYR000171181**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.134 mi.
707 ft. **Site 4 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

RCRA-SQG:

Date form received by agency:	12/29/2009
Facility name:	MTA NYCT - VENT PLANT 6406-7
Facility address:	JACKSON AVE & 45TH AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000171181
Mailing address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MTA NYCT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1968
Owner/Op end date:	Not reported

Owner/operator name:	MTA NYCT
Owner/operator address:	BROADWAY 5TH FLOOR 503 NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/1968
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

MTA NYCT - VENT PLANT 6406-7 (Continued) **1012211711**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

J87 **MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION** **NY MANIFEST** **S113813823**
West **JACKSON AVE & 45TH AVE** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

NY MANIFEST:

EPA ID:	NYD987010808
Country:	USA
Mailing Name:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Mailing Contact:	MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION
Mailing Address:	JACKSON AVE & 45TH AVE
Mailing Address 2:	Not reported
Mailing City:	QUEENS
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	28-Jun-2013 00:00:00
Trans1 Recv Date:	28-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	28-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987010808
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

MTA NYCT 11TH STREET & JACKSON AVENUE SUBSTATION (Continued) **S113813823**

Year:	2013
Manifest Tracking Num:	010407299JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

J88 **CON EDISON** **NY MANIFEST** **S113495500**
West **JACKSON AVE & COURT SQUARE** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.134 mi.
707 ft. **Site 6 of 6 in cluster J**

Relative:
Higher

Actual:
16 ft.

NY MANIFEST:

EPA ID:	NYP004292074
Country:	USA
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	07-Mar-2013 00:00:00
Trans1 Recv Date:	07-Mar-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004292074
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002016593GBF

CON EDISON (Continued) **S113495500**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

I89 **KENT BRAGALINE INC** **RCRA NonGen / NLR** **1001493668**
NE **27-45 JACKSON AVE** **FINDS** **NYR000075630**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.135 mi.
714 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	KENT BRAGALINE INC
Facility address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000075630
Mailing address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact:	ALBERT TROY
Contact address:	JACKSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-2012
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KENT BRAGALINE INC
Owner/operator address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 784-2012
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	KENT BRAGALINE INC
Owner/operator address:	27-45 JACKSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 784-2012
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

KENT BRAGALINE INC (Continued) **1001493668**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KENT BRAGALINE INC
Classification: Not a generator, verified

Date form received by agency: 08/19/1999
Facility name: KENT BRAGALINE INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004555810

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000075630
Country: USA
Mailing Name: KENT BRAGALINE
Mailing Contact: KENT BRAGALINE
Mailing Address: 27-45 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-274-3339

KENT BRAGALINE INC (Continued) **1001493668**

Document ID:	NYG1002078
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	09/13/1999
Trans1 Recv Date:	09/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000075630
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

N90 **2415 44TH ROAD LLC** **NY AST** **U003395749**
NNW **43-32 CRESCENT STREET** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.140 mi.
741 ft. **Site 1 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600777
Program Type:	PBS
UTM X:	589288.01636000001
UTM Y:	4511381.96435
Expiration Date:	2003/04/15
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22754
Affiliation Type:	Facility Owner
Company Name:	2415 44 ROAD LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O ROCKROSE 309 EAST 45TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 984-1741
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

2415 44TH ROAD LLC (Continued) **U003395749**

Site Id:	22754
Affiliation Type:	Mail Contact
Company Name:	2415 ROAD LLC
Contact Type:	Not reported
Contact Name:	SUPER FACILITY MANAGER
Address1:	C/O ROCKROSE
Address2:	309 EAST 45TH STREET
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 984-1741
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22754
Affiliation Type:	On-Site Operator
Company Name:	2415 44TH ROAD LLC
Contact Type:	Not reported
Contact Name:	CHARLES SINGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-1738
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22754
Affiliation Type:	Emergency Contact
Company Name:	2415 44 ROAD LLC
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 475-4263
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	43713
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

2415 44TH ROAD LLC (Continued) **U003395749**

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-600777
SWIS Code:	6301
Operator:	CHARLES SINGER
Facility Phone:	(718) 937-1738
Facility Addr2:	43032 CRESCENT STREET
Facility Type:	APARTMENT BUILDING
Emergency:	COASTAL COMBUSTION CORP
Emergency Tel:	(212) 475-4263
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	2415 44 ROAD LLC
Owner Address:	C/O ROCKROSE 309 EAST 45TH STREET
Owner City,St,Zip:	NEW YORK, NY 10017
Federal ID:	Not reported
Owner Tel:	(212) 984-1741
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	SUPER FACILITY MANAGER
Mailing Name:	2415 ROAD LLC
Mailing Address:	C/O ROCKROSE
Mailing Address 2:	309 EAST 45TH STREET
Mailing City,St,Zip:	NEW YORK, NY 10017
Mailing Telephone:	(212) 984-1741
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

2415 44TH ROAD LLC (Continued) **U003395749**

Certification Flag:	False
Certification Date:	04/21/1998
Expiration:	04/15/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N91 **ROCKROSE CONSTRUCTION CORP** **NY MANIFEST S108981768**
NNW **4329 CRESCENT STREET** **NY Spills N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.141 mi.
743 ft. **Site 2 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYR000153924
Country:	USA
Mailing Name:	ROCKROSE CONSTRUCTION CORP
Mailing Contact:	ROCKROSE CONSTRUCTION CORP
Mailing Address:	290 PARK AVE SOUTH
Mailing Address 2:	14TH FL
Mailing City:	NEW YORK

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

Mailing State:	NY
Mailing Zip:	10010
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-984-1705

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0710509
DER Facility ID:	341415
Facility Type:	ER
Site ID:	391813
DEC Region:	2
Spill Date:	1/4/2008
Spill Number/Closed Date:	0710509 / 11/16/2009
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	rvketani
Referred To:	Not reported
Reported to Dept:	1/4/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/4/2008
Spill Record Last Update:	11/16/2009
Spiller Name:	ANDREW RUDKO
Spiller Company:	CONSTRUCTION SITE
Spiller Address:	4329 CRESCENT STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	ANDREW RUDKO
Contact Phone:	(646) 388-9526
DEC Memo:	I spoke with Andrew. The tank has been reoved and cont. soil has been stockpiled. This soil needs to be removed due to space limitations. He feels that they are not able to find clean endpoints. A gepprobe will be out on Fri 1/ 11/ 07- 1/9/08 - Raphael Ketani. An abandoned gasoline tank was discovered and contaminated soil beneath it on 1/4/08. The contact is Andrew Rudko of AKRF, Inc. (646) 388-9526.I spoke to Mr. Rudko about the site. The site is a small triangular area. He said that it used to be a car repair replace with one 550 gal. tank and one pump. He said the tank was abandoned in place with concrete. The great majority of the soil has been excavated, but the contractor is waiting to get a hauler for the gasoline contaminated soil. The site will be a temporary parking lot for the building and parking lot across the street. Groundwater is at about 14 feet - he

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

has drilled nearby at another site and hit water there at that depth. I told Mr. Rudko that additional borings will be needed to see whether the contamination had migrated under the streets. He said he will do borings to the edge of the property, and if contamination is found, then he will get the permits and do borings further out.2/7/08 - Raphael Ketani. I tried to contact Mr. Rudko, but could only leave a message.Mr. Rudko returned my call. He said that they had removed the gas tank and found lots of contamination. Initially, they excavated 9 truck loads of soil and shipped it out. Then, on 2/5/08, they excavated more soil until the site was jammed up with excavated soil. This was also shipped out. Mr. Rudko feels that the contamination extends all the way to the Hunter Street sidewalk and maybe under it. I told him that he needs to delineate the extent of the contamination. Mr. Rudko said that they will use ORC to remediate any soil that can not be removed. I told him that DEC wants all of the contaminated soil either removed or treated. 2/19/08 - Raphael Ketani. I had tried to make an unannounced site visit last thursday, but was unsuccessful. I could not find the site. I called up Mr. Rudko and he told me the site is at the intersection of Crescent Street, Hunter Street, and 44th Road. I will make another attempt at a site visit.I found the site. It consisted of a big water filled pit and a pile of slightly odoress artificial fill material. I met Mark Accetturi, Environmental Specialist of AKRF (646) 388-9521, at the site. There was no sheen on the water. Mr. Accetturi told me that the pit had been dry until the recent rains. The water level was about 10 feet below grade. I told him that AKRF should get someone to suck out the water. He said that this will be done in the near future. There was a large pile of artificial fill (soil mixed with other material) with slight odor of gasoline. Mr. Accetturi told me that they had taken out the one tank from about the middle of the hole and two lifts from the Citicorp (southwest) side of the hole. A black pipe with a metal clamp was sticking out of the sidewall at the southwest side. It was not apparent where the pipe went to. The area around the hole had concrete pavement. I was told by the excavator operator that 12 trucks were scheduled to come today to take away the soil pile. I took 5 pictures. I noticed a 4 story building across the street with commercial space at the street level and residences above. A commercial building abutted the site property. There was nothing much else to see. So I left.3/12/08 - Raphael Ketani. Today I received a progress report and remedial action plan dated 3/11/08 from Mr. Rudko, Senior Vice President of AKRF. The report and plan stated that a 550 gal. gasoline tank was discovered on site which was resting on soil. The soil beneath the tank was contaminated, though the tank appeared to be intact. Contaminated soil was removed from the site. Four borings were advanced to the groundwater to delineate the extent of soil contamination. Two sites of contamination were discovered. One to the east and extending from the tank and another separate one to the southwest (maybe related to a broken sewer pipe). Contaminated groundwater was pumped out and the excavation was backfilled after 2/20/08. AKRF will install 4 wells in order to monitor the groundwater conditions. Water and soil treatment will be proposed if the contamination persists.The analytical results were as follows:groundwater; SB-1=no VOCs, few low SVOC hits SB-2=VOC hits to 1394 ppb total xylenes, no SVOCs SB-3=no VOCs and no SVOCs SB-4=VOC hits to 2370 ppb total xylenes, no SVOCs SB-5=no VOCs and no SVOCssoil; EP-1=few low VOCs, combustion SVOCs in thousands of ppb EP-2=no VOCs, combustion SVOCs in high thousands of ppb to 713,300

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

ppb EP-4=1 significant VOC, naphthalene 6000 ppb, high SVOCs in high thousands to 62000 ppb EP-1S=no VOCs, no SVOCs WC-4=VOCs in tens of thousands ppb to 150,000 ppb with total xylenes at 640,000 ppb, SVOC hits but none significant EP-1B=many very low VOCs, no SVOCs EP-1N=many very low VOCs, no SVOCs EP-1W=many very low VOCs, no SVOCs EP-1E=11 VOCs to 83,100 ppb, 3600 ppb naphthalene, combustion SVOCs, but not significant I spoke to Mr. Rudko. He said that they are not sure how far the contaminated soil extends. So they are not done excavating. If it extends off site, then they will consider using ORC or another treatment solution to remediate the contamination. He said that he also needs to determine the direction of groundwater flow. He said that bedrock dips to the south and so he thinks that's the direction of groundwater flow, but he'll see. 4/1/08 - Raphael Ketani. I spoke to Mr. Rudko (646) 388-9526. He said that nothing is happening right now at the site. He is trying to line up a driller to install borings on all 3 sides of the site. He will take soil and groundwater samples. He will keep me posted.8/19/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.9/3/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.As there has been no contact with Mr. Rudko in 5 months and he is not reachable, I sent a letter to Ivan Moskowitz, Esq. at Swidler Berlin LLP, 405 Lexington Avenue, NY, 10174. He is the lawyer representing the owners of the site, 4329 Crescent LLC, 399 Park Avenue, NY, 10022-4614. The block and lot are 4343 and 0001. The main address is 4319 Crescent Street.9/11/08 - Raphael Ketani. The letter to 4329 Crescent LLC, c/o Swidler Berlin LLP came back NOT DELIVERABLE AS ADDRESSED. 9/15/08 - Raphael Ketani. I tried to reach Mr. Rudko, but could only leave a message regarding groundwater and soil sampling, and delineation of the extent of the contamination.Also, I sent the 9/3/08 letter to 4329 Crescent LLC at 399 Park Avenue, and to Swidler Berlin LLP the corrected zip code of 10017. 9/22/08 - Raphael Ketani. The letter to Swidler Berlin LLP came back with a Post Office indicating Not Deliverable As Addressed. I called up a phone number for Swidler Berlin (212) 891-9536 and was told that Swidler Berlin no longer exists. One of their offices merged with Bingam McCutchen (the same phone number as above). She said that Mr. Moskowitz works for Bingam McCutchen and that his direct number is (212) 705-7537.I called Mr. Moskowitz, but could only leave a message regarding the site. Mr. Moskowitz called me back. He said that he still represent 4329 Crescent LLC. He will contact them to see why there is no progress with the investigation.9/25/08 - Raphael Ketani. Patricia Dunphy of Rockrose Development Corp. (212) 984-1795 called earlier this week regarding the site. I tried to return her call, but could only leave a voice mail. Later this morning, I received a call from Steven Eisner (212) 984-1705 of Rockrose. He said that the reason the sidewalk wells weren't installed is because they are doing foundation dewatering across the street to the west at 3000 Crescent Street. The building that was there was knocked down 3 weeks ago. He said that once the foundation is put in, then they will install the wells. I asked him whether they had found any contaminated water. He said no. He said he will let me know when the foundation dewatering is done in 6 to 8 weeks. 10/27/08 - Raphael Ketani. I tried to contact Mr. Eisner regarding the dewatering of the neighboring site, but could only leave a message.Mr. Eisner called me back. He said that the

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

foundation wont be installed until February 2009. Then they will install 4 wells.2/13/09 - Raphael Ketani. I spoke to Mr. Eisner. He said that the foundation construction and dewatering is still taking place. He said that the wells will probably be installed at the end of February and a report will be submitted to DEC by March 13. I said that would be alright. Mr. Eisner added that Mr. Rudko is no longer with AKRF and the case is now being handled by Kate Bruner of AKRF (646) 388-9525. 2/17/09 - Raphael Ketani. Kate Brunner called me to say that she will give me an update regarding the project at the end of February.2/26/09 - Raphael Ketani. Ms. Brunner called. She said that the dewatering for the foundation should end in a week. The well installation will take place in mid-March with a 4" geoprobe.3/16/09 - Raphael Ketani. Mr. Eisner (212) 984-1705 called to say that they are still working on the foundation for the building across the street. They expect to finish in May. Once they're finished, then they will install the wells. 4/23/09 - Raphael Ketani. I talked to Ms. Brunner (212) 696-0670. She said that the construction contractor had finished dewatering the site a couple of weeks ago. She added that applications had been submitted to the City for sidewalk permits. There is a tentative date of 5/4/09 for starting the boring work.7/13/09 - Raphael Ketani. I spoke to Ms. Brunner. She said that she had received the soil and groundwater analytical report. However, she was out. So the review couldn't take place until she had a chance to look at it. She said that the results looked very good. Right now, the report is undergoing internal review. Once AKRF is done with it, then the report will be forwarded to DEC. I told her to send the report as soon as possible.9/11/09 - Raphael Ketani. I left a message for Ms. Brunner that the DEC never received the groundwater analytical report.9/14/09 - Raphael Ketani. Ms. Brunner (212) 696-0670 called me today. She said that the groundwater survey didn't take place until July 2009 due to access problems. The developer they were working with as a client has split into two entities. One entity is responsible for pursuing the environmental evaluation and reporting. This is the client and this entity is still reviewing the environmental report. However, Ms. Brunner said that she expects to send the DEC the environmental report in two weeks. She added that the analyticals were all non-detect.9/25/09 - Raphael Ketani. Today I received the Supplemental Subsurface Investigation dated 9/24/09 and submitted by AKRF. I began my review. 9/29/09 - Raphael Ketani. I finished my review. They recovered soil samples from only 2 of the 4 borings that were attempted on 5/11/09. They state that, for technical reasons, they could not recover soil samples from MW-1 and MW-3, but they don't explain what this means. Soil samples were submitted for MW-2 and MW-4. MW-2 is at the eastern corner of the site and MW-4 is at the southwest corner of the site. Groundwater flow is to the east. The soil samples were completely non-detect for VOCs. There were a number of SVOC hits, but they were all below TAGM, except for some benzo series hits which were just slightly above TAGM. Groundwater samples for the four wells were entirely non-detect for VOCs. Samples from wells MW-1 to MW-3 were completely non-detect for SVOCs. The groundwater sample from MW-4 had a number of SVOC hits, but they were below TAGM, except for five combustion product hits (mostly the benzo series) which were slightly above TAGM.From re-reviewing the 3/11/08 investigation report, it appears that there are a lot of ashes and cinders at the site. This was determined by the presence of high concentrations of the combustion product SVOC analytes in soil samples from various locations. From the end point

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

sample results for EP-1N, EP-1S, EP-1W, and EP-1B, it appears that the contaminated soil was removed. However, the results for EP-1E showed several SVOC hits to 4300ppb, including naphthalene and 2-methylnaphthalene, and four other low level SVOCs, but all of the other SVOCs were non-detect. The VOCs were all non-detect, also. It seems as if they did a reasonable job of digging out the contamination.Though questions remain regarding the 03/11/08 report and the 9/24/09 report:1) the 3/11/08 report lists boring locations SB-1, SB-2, and SB-4, but the data package shows EP-1, EP-2 , and EP-4. Are these the same borings? Also, what happened with the soil sample for SB-3?2) why were no borings conducted between W SB-1 and MW-2?3) what does the number "434" mean on Figure 2 from the 3/11/08 report?4) there is no explanation as to why they couldn't recover soil samples from MW-1 and MW-3, except to say that "for technical reasons" they couldn't do it. What are the technical reasons?5) a number of VOCs are listed as above TAGM on Figure 3 in the 9/24/09 report for the soil sample from EP-1E. However, these analytes are not in the analytical data report for the end point samples. Where did this information come from and how much above TAGM are the hits?Aside from answering these questions, the DEC requires that they perform one more soil borings. One halfway between W SB-1 and MW-2. 10/9/09 - Raphael Ketani. Ms. Brunner called me back. She answered the five questions:1) SB-1, SB-2, and SB-4 are EP-1, EP-2, and EP-4. There was some confusion regarding the numbering of the samples due to the previous use of a different numbering system. 2) we agreed to have one more soil boring performed halfway between W SB-1 and MW-2 just to see what the contamination is, if any3) number "434" is the block number from the block and lot tax maps4) soil samples couldn't be recovered because they kept hitting refusal. The geoprobe wasn't strong enough to apply enough torque to get a sample and the sampling tool was thin so that a stronger machine would have broken the tool. They stepped out from these locations and sampled elsewhere with a heavier rig.5) the analytes for EP-1E come from the 2008 report. Ms. Brunner just wanted to show what had been detected PRIOR to excavation of the site. 10/15/09 - Raphael Ketani. I received an e-mail today from Ms. Brunner regarding the location of the additional boring that DEC had requested (see E-docs). I sent a response e-mail in which I approved the location.11/5/09 - Raphael Ketani. I tried to contact Ms. Brunner (212) 696-0670, but could only leave a voice mail.11/6/09 - Raphael Ketani. I received the following e-mail from Ms. Brunner:The soil boring was completed at 43-29 Crescent Street as planned. We got the preliminary VOC and SVOC data back and all concentrations are less than TAGM RSCOs so we'll be requesting closure. We are preparing a revised report for submittal to DEC and we are still on-track to get you the report in mid-November.11/16/09 - Raphael Ketani. Today I received the 11/12/09 Supplemental Subsurface Investigation report from Ms. Brunner at AKRF. I review the report for the soil analyses for SB-5. The results were completely non-detect for VOCs and SVOCs. Based upon the soil and groundwater analytical results in the case file, I have determined that there are minimal impacts to the environment and to people. Therefore, I am closing the spill case.

Remarks: FOUND BURIED GASOLINE TANK IN GROUND AND FOUND CONTAMINATED SOIL

Material:

Site ID: 391813
Operable Unit ID: 1148847
Operable Unit: 01

ROCKROSE CONSTRUCTION CORP (Continued) **S108981768**

Material ID: 2139342
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

N92 **EDR US Hist Auto Stat** **1015493785**
NNW **4329 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.141 mi.
743 ft. **Site 3 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name: QUALITY AUTO REPAIR
Year: 1999
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2000
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2001
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2004
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2005
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2006
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2007
Address: 4329 CRESCENT ST

Name: QUALITY AUTO REPAIR
Year: 2012
Address: 4329 CRESCENT ST

N93 **ROCKROSE CONSTRUCTION CORP** **RCRA-LQG** **1010566745**
NNW **43-29 CRESCENT ST** **NYR000153924**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.142 mi.
750 ft. **Site 4 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA-LQG:

Date form received by agency:	01/24/2008
Facility name:	ROCKROSE CONSTRUCTION CORP
Facility address:	43-29 CRESCENT ST LONG ISLAND CITY, NY 11101
EPA ID:	NYR000153924
Mailing address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Contact:	STEPHEN A EISNER
Contact address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Contact country:	US
Contact telephone:	(212) 984-1705
Contact email:	STEVEE@ROCKROSE.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ROCKROSE CONSTRUCTION CORP
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/31/2007
Owner/Op end date:	Not reported
Owner/operator name:	43-29 CRESCENT LLC
Owner/operator address:	PARK AVE SOUTH 14TH FLOOR NEW YORK, NY 10010
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	11/11/2006
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

ROCKROSE CONSTRUCTION CORP (Continued) **1010566745**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/23/2008
Facility name: ROCKROSE CONSTRUCTION CORP
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

N94 **KATT CORPORATION** **NY AST** **A100294658**
NNW **43-29 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.142 mi.
750 ft. **Site 5 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-609251
Program Type: PBS
UTM X: 589287.45632
UTM Y: 4511386.3985700002
Expiration Date: 2008/09/18
Site Type: Other

Affiliation Records:
Site Id: 31096
Affiliation Type: Facility Owner
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 43-29 CRESCENT ST.
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported

KATT CORPORATION (Continued) **A100294658**

Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: Mail Contact
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: 43-29 CRESCENT STREET
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: On-Site Operator
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 31096
Affiliation Type: Emergency Contact
Company Name: KATT CORPORATION
Contact Type: Not reported
Contact Name: GAMALIEL RUIZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 937-4573
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001

KATT CORPORATION (Continued) **A100294658**

Tank Id: 66943
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
D00 - Pipe Type - No Piping
J00 - Dispenser - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Location: 1
Tank Type: Stainless Steel Alloy
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 55
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

Tank Number: 002
Tank Id: 66944
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
I00 - Overfill - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
B00 - Tank External Protection - None

Tank Location: 1
Tank Type: Stainless Steel Alloy
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 55
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True

KATT CORPORATION (Continued) **A100294658**

Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

O95 **TWO COURT SQUARE** **NY AST** **A100350441**
WNW **23-21 44 DRIVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.143 mi.
754 ft. **Site 1 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-611356
Program Type: PBS
UTM X: 589147.96811000002
UTM Y: 4511261.5783299999
Expiration Date: 2015/04/01
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 435241
Affiliation Type: Facility Owner
Company Name: PERRENNELLY GREEN INC
Contact Type: VICE PRESIDENT
Contact Name: THOMAS A. BARRETT
Address1: 23-21 44 DRIVE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (347) 648-0195
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/8/2010

Site Id: 435241
Affiliation Type: Mail Contact
Company Name: CUSHMAN & WAKEFIELD, INC.
Contact Type: Not reported
Contact Name: KEVIN GAVIN
Address1: 23-21 44 DRIVE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (347) 648-0110
EMail: KEVIN.GAVIN@CITI.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/8/2010

Site Id: 435241
Affiliation Type: On-Site Operator

TWO COURT SQUARE (Continued) **A100350441**

Company Name:	TWO COURT SQ
Contact Type:	Not reported
Contact Name:	DOMENICO VEZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 648-0100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/25/2010

Site Id:	435241
Affiliation Type:	Emergency Contact
Company Name:	PERRENNELLY GREEN INC
Contact Type:	Not reported
Contact Name:	KEVIN GAVIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 648-0100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/25/2010

Tank Info:

Tank Number:	001
Tank Id:	234565
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
A01 - Tank Internal Protection - Epoxy Liner
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E12 - Piping Secondary Containment - Double-Wall (Aboveground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

TWO COURT SQUARE (Continued) **A100350441**

Pipe Model:	Not reported
Install Date:	01/01/2006
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/25/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	234566
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/2006
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/25/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

N96 **EDR US Hist Cleaners** **1015060699**
NNW **4320 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.146 mi.
769 ft. **Site 6 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Cleaners:

Name:	HUANG & PAUL LAUNDROMANT INC
Year:	2003
Address:	4320 CRESCENT ST

(Continued) **1015060699**

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2005
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2007
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2008
Address: 4320 CRESCENT ST

Name: HUANG & PAUL LAUNDROMAT INC
Year: 2009
Address: 4320 CRESCENT ST

N97 **EDR US Hist Auto Stat** **1015493080**
NNW **4315 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.147 mi.
775 ft. **Site 7 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:
Name: EURO SPORT COLLISION REPAIR INC
Year: 2002
Address: 4315 CRESCENT ST

Name: EURO SPORT COLLISION REPAIR
Year: 2003
Address: 4315 CRESCENT ST

Name: EURO SPORT COLLISION REPAIR
Year: 2004
Address: 4315 CRESCENT ST

N98 **AEROSOURCE INC** **RCRA NonGen / NLR** **1000553955**
NNW **25-19 43RD AVE** **FINDS** **NYD986963932**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.151 mi.
797 ft. **Site 8 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: AEROSOURCE INC
Facility address: 25-19 43RD AVE
LONG ISLAND CITY, NY 111014208
EPA ID: NYD986963932
Mailing address: 43RD AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 43RD AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02

AEROSOURCE INC (Continued) **1000553955**

Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AEROSOURCE INC
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AEROSOURCE INC
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: AEROSOURCE INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: AEROSOURCE INC
Classification: Not a generator, verified

Date form received by agency: 07/22/1991
Facility name: AEROSOURCE INC
Classification: Small Quantity Generator

Violation Status: No violations found

AEROSOURCE INC (Continued) **1000553955**

Evaluation Action Summary:
Evaluation date: 05/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004473258

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD986963932
Country: USA
Mailing Name: AEROSOURCE INCORPORATION
Mailing Contact: MITCH SHULMAN
Mailing Address: 11 CAMPUS DR
Mailing Address 2: Not reported
Mailing City: SOMERSET
Mailing State: NJ
Mailing Zip: 08873
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-392-5800

Document ID: NJA1206298
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 910913
Trans1 Recv Date: 910913
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910917
Part A Recv Date: 911007
Part B Recv Date: 911004
Generator EPA ID: NYD986963932
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00212
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

AEROSOURCE INC (Continued) **1000553955**

Document ID:	NJA1214952
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910830
Trans1 Recv Date:	910830
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910906
Part A Recv Date:	910912
Part B Recv Date:	910926
Generator EPA ID:	NYD986963932
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00389
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1199083
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910802
Trans1 Recv Date:	910802
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910807
Part A Recv Date:	910815
Part B Recv Date:	910826
Generator EPA ID:	NYD986963932
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02334
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

N99 **4308 CRESCENT STREET** **NY AST** **A100366141**
NNW **4308 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.151 mi.
797 ft. **Site 9 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611954

4308 CRESCENT STREET (Continued) **A100366141**

Program Type: PBS
UTM X: 589050.33444999997
UTM Y: 4510380.42093
Expiration Date: 2017/10/23
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 477961
Affiliation Type: Facility Owner
Company Name: 4300 CRESCENT LLC
Contact Type: VICE PRESIDENT
Contact Name: CHRISTOPHER S. LA PUNZINA
Address1: 666 FIFTH AVENUE, 5TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10103
Country Code: 001
Phone: (212) 847-3700
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

Site Id: 477961
Affiliation Type: Mail Contact
Company Name: ROCKROSE DEVELOPMENT CORPORATION
Contact Type: Not reported
Contact Name: JOSEPH FLANAGAN
Address1: 666 FIFTH AVENUE
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10103
Country Code: 001
Phone: (212) 847-3780
EMail: JOSEPH.FLANAGAN@ROCKROSE.COM
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

Site Id: 477961
Affiliation Type: On-Site Operator
Company Name: 4308 CRESCENT STREET
Contact Type: Not reported
Contact Name: KEVIN FORDE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 628-1373
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 1/17/2013

4308 CRESCENT STREET (Continued) **A100366141**

Site Id:	477961
Affiliation Type:	Emergency Contact
Company Name:	4300 CRESCENT LLC
Contact Type:	Not reported
Contact Name:	JOSEPH FLANAGAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 210-1717
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	1/17/2013

Tank Info:

Tank Number:	001
Tank Id:	246976
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J01 - Dispenser - Pressurized Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/23/2012
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	01/17/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

N100 **EDR US Hist Auto Stat** **1015492430**
NNW **4305 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.151 mi.
799 ft. **Site 10 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	ANTONS AUTO REPR
Year:	2000
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2001
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2002
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2003
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2004
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2005
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2006
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2007
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2008
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2009
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPAIR
Year:	2010
Address:	4305 CRESCENT ST
Name:	ANTONS AUTOMOBILE REPAIR
Year:	2011
Address:	4305 CRESCENT ST
Name:	ANTONS AUTO REPR
Year:	2012
Address:	4305 CRESCENT ST

N101 **FEDERAL PACIFIC ELECTRIC CO** **RCRA NonGen / NLR** **1000212443**
NNW **4300 CRESCENT ST** **FINDS** **NYD001268325**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.155 mi.
816 ft. **Site 11 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FEDERAL PACIFIC ELECTRIC CO
Facility address:	4300 CRESCENT ST LONG ISLAND CITY, NY 111014207
EPA ID:	NYD001268325
Mailing address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 09/26/1985
Facility name: FEDERAL PACIFIC ELECTRIC CO
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/11/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110001582537

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD001268325
Country: USA
Mailing Name: AMERICAN PROPERTIES CORPORATION
Mailing Contact: C/O TINICUM INVESTORS
Mailing Address: 85 2ND AVE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10017
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-786-7300

Document ID: NJA0369424

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	871223
Trans1 Recv Date:	871223
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871223
Part A Recv Date:	871230
Part B Recv Date:	880105
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NJA0403482
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	880414
Trans1 Recv Date:	880414
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880414
Part A Recv Date:	880601
Part B Recv Date:	880420
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00520
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NJA0534650
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	881104
Trans1 Recv Date:	881104
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881104
Part A Recv Date:	881122
Part B Recv Date:	881220
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Document ID:	NJA0334940
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	870918
Trans1 Recv Date:	870918
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870918
Part A Recv Date:	871006
Part B Recv Date:	870925
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Document ID:	NYA3544885
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	870603
Trans1 Recv Date:	870603
Trans2 Recv Date:	870608
TSD Site Recv Date:	870609
Part A Recv Date:	870609
Part B Recv Date:	870615
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	DCD981735244
Trans2 EPA ID:	DCD981735244
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	132
Year:	87

Document ID:	NJA0403467
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	880411
Trans1 Recv Date:	880411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880411
Part A Recv Date:	880418
Part B Recv Date:	880419
Generator EPA ID:	NYD001268325
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00495
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	009
Container Type:	DM - Metal drums, barrels

FEDERAL PACIFIC ELECTRIC CO (Continued) **1000212443**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

N102 **43-00 CRESCENT ST.** **NY UST** **U001840988**
NNW **43-00 CRESCENT ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
818 ft. **Site 12 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

UST:

Id/Status:	2-480606 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589296.38959999999
UTM Y:	4511415.8164299997
Site Type:	Unknown

Affiliation Records:

Site Id:	21452
Affiliation Type:	Mail Contact
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	309 E. 45 STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

43-00 CRESCENT ST. (Continued) **U001840988**

Site Id:	21452
Affiliation Type:	Facility Owner
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	309 E. 45 STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21452
Affiliation Type:	On-Site Operator
Company Name:	43-00 CRESCENT ST.
Contact Type:	Not reported
Contact Name:	ROCKROSE CONSTRUCTION CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 697-4422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21452
Affiliation Type:	Emergency Contact
Company Name:	43-00 CRESCENT ST REALTY CORP.
Contact Type:	Not reported
Contact Name:	DAN HARDER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 628-6504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	41093
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91

43-00 CRESCENT ST. (Continued) **U001840988**

Capacity Gallons:	6000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None

Tank Number:	002
Tank ID:	41094
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None

43-00 CRESCENT ST. (Continued) **U001840988**

Tank Number: 003
Tank ID: 41095
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 1000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 004
Tank ID: 41096
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 5000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

43-00 CRESCENT ST. (Continued) **U001840988**

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

Tank Number: 005
Tank ID: 41097
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 500
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-480606
SPDES Number: Not reported
Emergency Contact: DAN HARDER
Emergency Telephone: (212) 628-6504
Operator: ROCKROSE CONSTRUCTION CORP.
Operator Telephone: (212) 697-4422
Owner Name: 43-00 CRESCENT ST REALTY CORP.
Owner Address: 309 E. 45 STREET
Owner City,St,Zip: NEW YORK, NY 10017
Owner Telephone: (212) 697-4422
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Name: 43-00 CRESCENT ST REALTY CORP.
Mailing Address: 309 E. 45 STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10017
Mailing Contact: Not reported
Mailing Telephone: (212) 697-4422
Owner Mark: Second Owner

43-00 CRESCENT ST. (Continued) **U001840988**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	43000 CRESCENT ST
SWIS ID:	6301
Old PBS Number:	032085
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	05/16/1995
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991

43-00 CRESCENT ST. (Continued) **U001840988**

Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

43-00 CRESCENT ST. (Continued) **U001840988**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	500
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

N103 **NYCDEP** **NY MANIFEST** **S113813857**
NNW **CRESCENT & 43RD AVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
820 ft. **Site 13 of 13 in cluster N**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYP003665684
Country:	USA
Mailing Name:	NYCDEP
Mailing Contact:	MOHAMED ABDELAD

NYCDEP (Continued) **S113813857**

Mailing Address:	96-05 HORACE HARDING EXPRESSWAY
Mailing Address 2:	Not reported
Mailing City:	CORONA
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD064748304
Trans2 State ID:	NJD080631369
Generator Ship Date:	22-May-2013 00:00:00
Trans1 Recv Date:	22-May-2013 00:00:00
Trans2 Recv Date:	29-May-2013 00:00:00
TSD Site Recv Date:	31-May-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003665684
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	008760363JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

P104 **EDR US Hist Auto Stat** **1015355925**
NW **2415 44TH RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.155 mi.
821 ft. **Site 1 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	A M G AUTO REPAIR
Year:	1999
Address:	2415 44TH RD
Name:	AMG AUTO REPAIR
Year:	2011

(Continued) **1015355925**

Address: 2415 44TH RD

Name: AMG AUTO REPAIR
Year: 2012
Address: 2415 44TH RD

P105 **2415 44TH ROAD LLC** **NY AST** **A100300808**
NW **24-15 44TH ROAD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.156 mi.
824 ft. **Site 2 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-600776
Program Type: PBS
UTM X: 589177.33453999995
UTM Y: 4511345.8810299998
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 22753
Affiliation Type: Facility Owner
Company Name: ROCKROSE DEVELOPMENT CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 290 PARK AVENUE SOUTH
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10010
Country Code: 001
Phone: (212) 375-1155
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22753
Affiliation Type: Mail Contact
Company Name: COASTAL COMBUSTION CORPORATION
Contact Type: Not reported
Contact Name: SERV. DEPT.
Address1: 1310 JERICHO TURNPIKE
Address2: P.O. BOX 23
City: NEW HYDE PARK
State: NY
Zip Code: 11040
Country Code: 001
Phone: (800) 734-4328
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

2415 44TH ROAD LLC (Continued) **A100300808**

Site Id:	22753
Affiliation Type:	On-Site Operator
Company Name:	2415 44TH ROAD LLC
Contact Type:	Not reported
Contact Name:	ISHMAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-9303
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22753
Affiliation Type:	Emergency Contact
Company Name:	ROCKROSE DEVELOPMENT CORPORATION
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(800) 734-4328
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	43712
Material Code:	0000
Common Name of Substance:	Empty

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported

2415 44TH ROAD LLC (Continued) **A100300808**

Capacity Gallons:	2020
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Empty

P106 **EDR US Hist Auto Stat** **1015355790**
NW **2413 44TH RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.156 mi.
826 ft. **Site 3 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	2011
Address:	2413 44TH RD
Name:	GREGS AUTO BODY SHOP
Year:	2012
Address:	2413 44TH RD

P107 **EDR US Hist Auto Stat** **1015355788**
NW **2413 44** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.157 mi.
827 ft. **Site 4 of 4 in cluster P**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	GREGS AUTO BODY SHOP
Year:	1999
Address:	2413 44
Name:	GREGS AUTO BODY SHOP
Year:	2000
Address:	2413 44

Q108 **45-17 PEARSON ST 45-18 CRT SQ** **NY AST** **U000406504**
SW **45-17 PEARSON ST (45-18 CRT SQ)** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11101**
0.166 mi.
874 ft. **Site 1 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-207098
Program Type:	PBS
UTM X:	589099.14234999998
UTM Y:	4511079.4832199998
Expiration Date:	N/A

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Site Type: Other

Affiliation Records:

Site Id: 7331
Affiliation Type: Facility Owner
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported
Contact Name: Not reported
Address1: 60 E 56TH ST 7TH FL
Address2: Not reported
City: NY
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 7331
Affiliation Type: Mail Contact
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported
Contact Name: Not reported
Address1: 60 E 56TH ST 7TH FL
Address2: Not reported
City: NY
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 7331
Affiliation Type: On-Site Operator
Company Name: 45-17 PEARSON ST 45-18 CRT SQ
Contact Type: Not reported
Contact Name: LONG ISLAND CITY REALTY CO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 751-4627
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 7331
Affiliation Type: Emergency Contact
Company Name: RICHARD ZIRINSKY
Contact Type: Not reported

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Contact Name:	LONG ISLAND CITY REALTY CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 751-4627
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	24945
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	6700
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/01/1990
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	24946
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/01/1990
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-207098
SWIS Code:	6301
Operator:	LONG ISLAND CITY REALTY CO
Facility Phone:	(212) 751-4627
Facility Addr2:	45017 PEARSON ST
Facility Type:	Not reported
Emergency:	LONG ISLAND CITY REALTY CO
Emergency Tel:	(212) 751-4627
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RICHARD ZIRINSKY
Owner Address:	60 E 56TH ST 7TH FL
Owner City,St,Zip:	NY, NY 10022
Federal ID:	Not reported
Owner Tel:	(212) 751-4627
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	RICHARD ZIRINSKY
Mailing Address:	60 E 56TH ST 7TH FL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10022
Mailing Telephone:	(212) 751-4627
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	01/07/1988
Expiration:	01/07/1993
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Owner Screen: Minor Data Missing
Tank Screen: 0
Dead Letter: False
CBS Number: Not reported
Town or City: NEW YORK CITY
County Code: 63
Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (Gal): 6700
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 9
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 08/01/1990
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 002
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (Gal): 5000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing

45-17 PEARSON ST 45-18 CRT SQ (Continued) **U000406504**

Date Closed:	08/01/1990
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

O109 **21-45 44TH DRIVE** **NY UST** **U004122104**
WNW **21-45 44TH DRIVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 2 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

UST:

Id/Status:	2-610851 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	588181.06611000001
UTM Y:	4511490.1296499996
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	398441
Affiliation Type:	Facility Owner
Company Name:	21-45 44TH DRIVE LLC
Contact Type:	MEMBER
Contact Name:	STUART SUNA
Address1:	42-22 22ND STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 906-2198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Site Id:	398441
Affiliation Type:	Mail Contact
Company Name:	LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
Contact Type:	Not reported
Contact Name:	JOEL LANDES
Address1:	21 PENN PLAZA
Address2:	360 WEST 31ST STREET, 8TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 479-5400
EMail:	KMERRILL@LANGAN.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/2/2010

21-45 44TH DRIVE (Continued) **U004122104**

Site Id:	398441
Affiliation Type:	On-Site Operator
Company Name:	21-45 44TH DRIVE
Contact Type:	Not reported
Contact Name:	MARK GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 906-2191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Site Id:	398441
Affiliation Type:	Emergency Contact
Company Name:	21-45 44TH DRIVE LLC
Contact Type:	Not reported
Contact Name:	MARK GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 906-2191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/30/2008

Tank Info:

Tank Number:	1
Tank ID:	223364
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	01/01/1946
Date Tank Closed:	07/31/2008
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	CGFREEDM
Last Modified:	12/02/2010

Equipment Records:

21-45 44TH DRIVE (Continued) **U004122104**

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

O110 **CLEANCO INDUSTRIAL SERVICES OF NY INC** **RCRA NonGen / NLR** **1000151535**
WNW **10-39 44TH DR** **FINDS** **NYD066969700**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 3 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Facility address:	10-39 44TH DR LONG ISLAND CITY, NY 11101
EPA ID:	NYD066969700
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	KEVIN MCDERMOTT
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-8311
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CLEANCO INDUSTRIAL SERVICES OF NY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

CLEANCO INDUSTRIAL SERVICES OF NY INC (Continued) **1000151535**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CLEANCO INDUSTRIAL SERVICES OF NY INC
Classification: Not a generator, verified

Date form received by agency: 07/10/1981
Facility name: CLEANCO INDUSTRIAL SERVICES OF NY INC
Classification: Unverified

Violation Status: No violations found

FINDS:

Registry ID: 110004365240

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O111 **DENTSPLY TRU-BYTE** **RCRA NonGen / NLR** **1009399910**
WNW **10-39 44TH DR** **NYR000138743**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 4 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: DENTSPLY TRU-BYTE
Facility address: 10-39 44TH DR
LONG ISLAND CITY, NY 111017013
EPA ID: NYR000138743
Mailing address: W COLLEGE AVE
YORK, PA 174050872
Contact: WAYNE BOLLINGER
Contact address: W COLLEGE AVE

DENTSPLY TRU-BYTE (Continued) **1009399910**

YORK, PA 174050872
Contact country: US
Contact telephone: (717) 849-4240
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DENTSPLY TRU-BYTE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/23/2006
Owner/Op end date: Not reported

Owner/operator name: WAYNE BOLLINGER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/23/2006
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/27/2006
Facility name: DENTSPLY TRU-BYTE
Classification: Large Quantity Generator

Date form received by agency: 03/26/2006
Facility name: DENTSPLY TRU-BYTE
Classification: Large Quantity Generator

Violation Status: No violations found

O112 **ROSS WATCH CASE CORP** **RCRA NonGen / NLR** **1000376253**
WNW **21-30-42 44TH DR** **FINDS** **NYD053175196**
1/8-1/4 **LONG ISLAND CITY, NY**
0.167 mi.
880 ft. **Site 5 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ROSS WATCH CASE CORP
Facility address:	21-30-42 44TH DR LONG ISLAND CITY, NY 111014710
EPA ID:	NYD053175196
Mailing address:	44TH DR LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	44TH DR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROSS WATCH CASE CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ROSS WATCH CASE CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

ROSS WATCH CASE CORP (Continued) **1000376253**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ROSS WATCH CASE CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ROSS WATCH CASE CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ROSS WATCH CASE CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008002874

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O113 **JAGUAR GOLD PRODUCT** **RCRA NonGen / NLR** **1000446330**
WNW **21-30 44TH DR** **FINDS** **NYD986912392**
1/8-1/4 **LONG ISLAND CITY, NY**
0.167 mi.
880 ft. **Site 6 of 7 in cluster O**

Relative: Higher

Actual: 16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: JAGUAR GOLD PRODUCT
Facility address: 21-30 44TH DR
LONG ISLAND CITY, NY 111014710
EPA ID: NYD986912392
Mailing address: 44TH DR
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 44TH DR
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

JAGUAR GOLD PRODUCT (Continued) **1000446330**

Owner/operator name: JAGUAR GOLD PRODUCT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAGUAR GOLD PRODUCT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: JAGUAR GOLD PRODUCT
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: JAGUAR GOLD PRODUCT
Classification: Not a generator, verified

Date form received by agency: 09/10/1990
Facility name: JAGUAR GOLD PRODUCT
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009479171

Environmental Interest/Information System

JAGUAR GOLD PRODUCT (Continued) **1000446330**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O114 **E ZAPPI DERMATOPATHOLOGY LAB INC** **RCRA NonGen / NLR** **1001197237**
WNW **21-51 44TH DR** **FINDS** **NYR000036426**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.167 mi.
880 ft. **Site 7 of 7 in cluster O**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	E ZAPPI DERMATOPATHOLOGY LAB INC
Facility address:	21-51 44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
EPA ID:	NYR000036426
Mailing address:	44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
Contact:	JEROLD GIBBS
Contact address:	44TH DR DBA RECYCLING SYSTEMS LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 458-9078
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DAWNMARK REALTY
Owner/operator address:	23-01 44TH DR LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 786-0403
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DAWNMARK REALTY
Owner/operator address:	23-01 44TH DR LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 786-0403
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

E ZAPPI DERMATOPATHOLOGY LAB INC (Continued) **1001197237**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Facility name: E ZAPPI DERMATOPATHOLOGY LAB INC
- Classification: Not a generator, verified

- Date form received by agency: 03/07/1997
- Facility name: E ZAPPI DERMATOPATHOLOGY LAB INC
- Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 03/04/1997
- Date achieved compliance: 07/02/1997
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 03/04/1997
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: LDR - General
- Date violation determined: 03/04/1997
- Date achieved compliance: 07/02/1997
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 03/04/1997
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

E ZAPPI DERMATOPATHOLOGY LAB INC (Continued) **1001197237**

Evaluation Action Summary:
Evaluation date: 01/22/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/02/1997
Evaluation lead agency: State

Evaluation date: 01/22/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/02/1997
Evaluation lead agency: State

FINDS:

Registry ID: 110004532881

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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115 **LIRR - HUNTERS POINT YARD** **RCRA-CESQG** **1008374549**
SSE **SKILLMAN AVE & 27TH ST** **NY MANIFEST** **NYR000132985**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.170 mi.
896 ft.

Relative:
Higher

Actual:
14 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: LIRR - HUNTERS POINT YARD
Facility address: SKILLMAN AVE & 27TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000132985
Mailing address: 183RD ST - DEPT 3147
HOLLIS, NY 11423
Contact: LEWIS D WUNDERLICH
Contact address: 183RD ST - DEPT 3147
HOLLIS, NY 11423
Contact country: US
Contact telephone: (718) 558-3252
Contact email: LWUNDER@LIRR.ORG
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA LONG ISLAND RAILROAD
Owner/operator address:	SUTPHIN BLVD
	JAMAICA, NY 11435
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/29/2005
Owner/Op end date:	Not reported
Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/29/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	LIRR - HUNTERS POINT YARD
Classification:	Conditionally Exempt Small Quantity Generator
Date form received by agency:	06/30/2005
Facility name:	LIRR - HUNTERS POINT YARD
Classification:	Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYR000132985

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Country:	USA
Mailing Name:	LONG ISLAND RAILROAD
Mailing Contact:	ADAM MCCOOL
Mailing Address:	93-59 183RD ST
Mailing Address 2:	Not reported
Mailing City:	HOLLIS
Mailing State:	NY
Mailing Zip:	11423
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-558-3359

Document ID:	NYH1459854
Manifest Status:	Not reported
Trans1 State ID:	NYD986938645
Trans2 State ID:	Not reported
Generator Ship Date:	09/20/2005
Trans1 Recv Date:	09/20/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	CFD1677NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYH1459854
Manifest Status:	Not reported
Trans1 State ID:	NYD986938645
Trans2 State ID:	Not reported
Generator Ship Date:	09/20/2005
Trans1 Recv Date:	09/20/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	CFD1677NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Specific Gravity:	01.00
Year:	2005
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK

LIRR - HUNTERS POINT YARD (Continued) **1008374549**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000132985
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008923025JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Q116 **STERNBERGER WAREHOUSE** **NY MANIFEST** **1009231834**
SW **45-55 PEARSON ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 2 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

NY MANIFEST:

EPA ID:	NYP000789529
Country:	USA
Mailing Name:	STERNBERGER WAREHOUSE
Mailing Contact:	STERNBERGER WAREHOUSE
Mailing Address:	45-55 PEARSON ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-0300

Document ID:	NYA2204865
Manifest Status:	Completed copy
Trans1 State ID:	NY64503GJ
Trans2 State ID:	Not reported
Generator Ship Date:	860317
Trans1 Recv Date:	860317
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860317
Part A Recv Date:	860321
Part B Recv Date:	860325
Generator EPA ID:	NYP000789529
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00042
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00107
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

Q117 **CITYWIDE SELF STORAGE** **NY UST** **U004081629**
SW **45-55 PEARSON STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 3 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

UST:

Id/Status:	2-081566 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2015/01/03
UTM X:	589133.75289
UTM Y:	4511017.0601700004
Site Type:	Other

Affiliation Records:

Site Id:	1707
Affiliation Type:	Mail Contact
Company Name:	CITIWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	On-Site Operator
Company Name:	CITYWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	Emergency Contact
Company Name:	JRK NEW YORK STORAGE I LLC
Contact Type:	Not reported
Contact Name:	RICHARD VESPI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

CITYWIDE SELF STORAGE (Continued) **U004081629**

Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	1/3/2005

Site Id:	1707
Affiliation Type:	Facility Owner
Company Name:	JRK NEW YORK STORAGE I LLC
Contact Type:	GENERAL MGR
Contact Name:	GLENN GOLD
Address1:	11766 WILSHIRE BLVD #1450
Address2:	Not reported
City:	LOS ANGELES
State:	CA
Zip Code:	90025
Country Code:	001
Phone:	(310) 268-8344
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Tank Info:

Tank Number:	001
Tank ID:	2915
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/1967
Date Tank Closed:	06/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

CITYWIDE SELF STORAGE (Continued) **U004081629**

Tank Number: 002
Tank ID: 2916
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1967
Date Tank Closed: 06/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Tank Number: 003
Tank ID: 2917
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1967
Date Tank Closed: 06/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping

CITYWIDE SELF STORAGE (Continued) **U004081629**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	004
Tank ID:	2918
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	12/01/1975
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number:	005
Tank ID:	2919
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	12/01/1975
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

CITYWIDE SELF STORAGE (Continued) **U004081629**

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Q118 **CITYWIDE SELF STORAGE** **NY AST** **A100193870**
SW **45-55 PEARSON STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 4 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-081566
Program Type:	PBS
UTM X:	589133.75289
UTM Y:	4511017.0601700004
Expiration Date:	2015/01/03
Site Type:	Other

Affiliation Records:

Site Id:	1707
Affiliation Type:	Mail Contact
Company Name:	CITIWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/7/2012

Site Id:	1707
Affiliation Type:	On-Site Operator
Company Name:	CITYWIDE SELF STORAGE
Contact Type:	Not reported
Contact Name:	MIGUEL A VALOIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 482-0300

CITYWIDE SELF STORAGE (Continued) **A100193870**

EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/7/2012

Site Id: 1707
Affiliation Type: Emergency Contact
Company Name: JRK NEW YORK STORAGE I LLC
Contact Type: Not reported
Contact Name: RICHARD VESPI
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 482-0300
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 1/3/2005

Site Id: 1707
Affiliation Type: Facility Owner
Company Name: JRK NEW YORK STORAGE I LLC
Contact Type: GENERAL MGR
Contact Name: GLENN GOLD
Address1: 11766 WILSHIRE BLVD #1450
Address2: Not reported
City: LOS ANGELES
State: CA
Zip Code: 90025
Country Code: 001
Phone: (310) 268-8344
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/7/2012

Tank Info:

Tank Number: 006
Tank Id: 62393
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A01 - Tank Internal Protection - Epoxy Liner
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

CITYWIDE SELF STORAGE (Continued) **A100193870**

C01 - Pipe Location - Aboveground
I01 - Overfill - Float Vent Valve
E12 - Piping Secondary Containment - Double-Wall (Aboveground)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/17/1992
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/07/2012
Material Name:	#6 Fuel Oil (On-Site Consumption)

Q119 **STERNBERGER MOTOR - G A P REALTY** **RCRA NonGen / NLR** **1000789790**
SW **45-55 PEARSON ST APT UNKNOWN** **FINDS** **NYD987012549**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.171 mi.
904 ft. **Site 5 of 6 in cluster Q**

Relative:
Lower

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	STERNBERGER MOTOR - G A P REALTY
Facility address:	45-55 PEARSON ST APT UNKNOWN MULTIPLE UNITS ON THE SITE LONG ISLAND CITY, NY 11101
EPA ID:	NYD987012549
Mailing address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICHAEL GLUCK
Owner/operator address:	45-55 PEARSON ST LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 361-2121
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MICHAEL GLUCK
Owner/operator address:	45-55 PEARSON ST

STERNBERGER MOTOR - G A P REALTY (Continued) **1000789790**

LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-2121
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Not a generator, verified

Date form received by agency: 08/18/1992
Facility name: STERNBERGER MOTOR - G A P REALTY
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004494128

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

STERNBERGER MOTOR - G A P REALTY (Continued) **1000789790**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD987012549
Country:	USA
Mailing Name:	STERNBERGER MOTOR
Mailing Contact:	STERNBERGER MOTOR
Mailing Address:	44-55 PEARSON STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	Not reported
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-361-2121

Document ID:	NYB4124376
Manifest Status:	Completed copy
Trans1 State ID:	DEC1A036
Trans2 State ID:	Not reported
Generator Ship Date:	920922
Trans1 Recv Date:	920922
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920925
Part A Recv Date:	Not reported
Part B Recv Date:	921005
Generator EPA ID:	NYD987012549
Trans1 EPA ID:	NYD980592570
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01200
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

R120 **RML CO.** **NY AST** **U003396594**
WSW **24-20 JACKSON AVENUE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.171 mi.
904 ft. **Site 1 of 2 in cluster R**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-602342
Program Type:	PBS
UTM X:	589102.41793999996
UTM Y:	4511116.0493200002
Expiration Date:	2017/10/26

RML CO. (Continued) **U003396594**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 24299
Affiliation Type: On-Site Operator
Company Name: RML CO.
Contact Type: Not reported
Contact Name: DAVID MORSE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 24299
Affiliation Type: Emergency Contact
Company Name: RML CO.
Contact Type: Not reported
Contact Name: DAVID MORSE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 24299
Affiliation Type: Facility Owner
Company Name: RML II, LLC
Contact Type: MANAGER
Contact Name: DAVID MORSE
Address1: 57 JUDSON AVE
Address2: Not reported
City: DOBBS FERRY
State: NY
Zip Code: 10522
Country Code: 001
Phone: (914) 674-0063
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/3/2010

Site Id: 24299
Affiliation Type: Mail Contact
Company Name: RML II, LLC
Contact Type: MANAGER

RML CO. (Continued) **U003396594**

Contact Name:	DAVID MORSE
Address1:	57 JUDSON AVE
Address2:	Not reported
City:	DOBBS FERRY
State:	NY
Zip Code:	10522
Country Code:	001
Phone:	(914) 674-0063
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/3/2010

Tank Info:

Tank Number:	001
Tank Id:	49828
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/30/1968
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	06/03/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-602342
SWIS Code:	6301
Operator:	DAVID MORSE
Facility Phone:	(914) 674-0063
Facility Addr2:	Not reported
Facility Type:	Not reported
Emergency:	DAVID MORSE

RML CO. (Continued) **U003396594**

Emergency Tel:	(914) 674-0063
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RML CO.
Owner Address:	57 JUDSON AVENUE
Owner City,St,Zip:	DOBBS FERRY, NY 10522
Federal ID:	Not reported
Owner Tel:	(914) 674-0063
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	DAVID MORSE
Mailing Name:	RML CO.
Mailing Address:	57 JUDSON AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	DOBBS FERRY, NY 10522
Mailing Telephone:	(914) 674-0063
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/21/2000
Expiration:	07/17/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Double-Walled
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported

RML CO. (Continued) **U003396594**

Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

S121 **INTERNATIONAL DESIGN CENTER** **RCRA NonGen / NLR** **1000446329**
SE **29-10 THOMPSON AVE 9TH FL** **FINDS** **NYD986904100**
1/8-1/4 **LONG ISLAND CITY, NY**
0.175 mi.
925 ft. **Site 1 of 2 in cluster S**

Relative:
Higher

Actual:
24 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: INTERNATIONAL DESIGN CENTER
Facility address: 29-10 THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
EPA ID: NYD986904100
Mailing address: THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: THOMPSON AVE 9TH FL
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PERRY VELLA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PERRY VELLA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

INTERNATIONAL DESIGN CENTER (Continued) **1000446329**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Not a generator, verified

Date form received by agency: 06/14/1990
Facility name: INTERNATIONAL DESIGN CENTER
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004448287

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S122 **NYSDOT G CAMPBELL PAINTING D253009** **RCRA NonGen / NLR** **1000458443**
ESE **THOMPSON AVE BRIDGE** **FINDS** **NYD986943264**
1/8-1/4 **LONG ISLAND CITY, NY 11100**
0.176 mi.
928 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
22 ft.

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Facility address: THOMPSON AVE BRIDGE
LONG ISLAND CITY, NY 11100
EPA ID: NYD986943264
Mailing address: COLLEGE POINT BLVD
FLUSHING, NY 11354
Contact: GEORGE CAMPBELL
Contact address: COLLEGE POINT BLVD

NYSDOT G CAMPBELL PAINTING D253009 (Continued) **1000458443**

FLUSHING, NY 11354
Contact country: US
Contact telephone: (718) 353-8330
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NYSDOT
Owner/operator address: BLD 5 HARRIMAN STATE CAMPUS
ALBANY, NY 12232
Owner/operator country: US
Owner/operator telephone: (518) 457-6195
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYSDOT
Owner/operator address: BLD 5 HARRIMAN STATE CAMPUS
ALBANY, NY 12232
Owner/operator country: US
Owner/operator telephone: (518) 457-6195
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Classification: Not a generator, verified

Date form received by agency: 03/08/1991
Facility name: NYSDOT G CAMPBELL PAINTING D253009
Classification: Not a generator, verified

Violation Status: No violations found

NYSDOT G CAMPBELL PAINTING D253009 (Continued) **1000458443**

FINDS:

Registry ID: 110008048175

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

123
WNW
1/8-1/4
0.177 mi.
933 ft.

PERENNIALLY GREEN INC
23-13 44TH DR
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000871666**
FINDS **NY0000082826**
NY MANIFEST

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: PERENNIALLY GREEN INC
Facility address: 23-13 44TH DR
LONG ISLAND CITY, NY 111014711
EPA ID: NY0000082826
Mailing address: JACKSON AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: JACKSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PERENNIALLY GREEN INC
Owner/operator address: 153 E 53RD ST
NEW YORK, NY 10022
Owner/operator country: US
Owner/operator telephone: (212) 559-2421
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PERENNIALLY GREEN INC
Owner/operator address: 153 E 53RD ST
NEW YORK, NY 10022
Owner/operator country: US
Owner/operator telephone: (212) 559-2421
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

PERENNIALLY GREEN INC (Continued) **1000871666**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PERENNIALLY GREEN INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: PERENNIALLY GREEN INC
Classification: Not a generator, verified

Date form received by agency: 12/21/1993
Facility name: PERENNIALLY GREEN INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004310576

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NY0000082826
Country: USA
Mailing Name: CUSHMAN & WAKEFIELD
Mailing Contact: FRED VARONE
Mailing Address: 250 JACKSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported

PERENNIALLY GREEN INC (Continued) **1000871666**

Mailing Country: USA
Mailing Phone: 718-248-2000

Document ID: NJA1808044
Manifest Status: Completed copy
Trans1 State ID: DL8600869
Trans2 State ID: 08690
Generator Ship Date: 940303
Trans1 Recv Date: 940303
Trans2 Recv Date: 940307
TSD Site Recv Date: 940308
Part A Recv Date: 940311
Part B Recv Date: 940318
Generator EPA ID: NY0000082826
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: ILD984908202
TSDF ID: NJD002182897
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 94

Document ID: NJA1740672
Manifest Status: Completed copy
Trans1 State ID: NJDEPE086
Trans2 State ID: Not reported
Generator Ship Date: 940223
Trans1 Recv Date: 940223
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940225
Part A Recv Date: 940307
Part B Recv Date: 940311
Generator EPA ID: NY0000082826
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00476
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 94

Q124 **MATSON MFG CO INC** **RCRA NonGen / NLR** **1000384219**
SW **45-17 PEARSON ST** **FINDS** **NYD088488598**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.177 mi.
935 ft. **Site 6 of 6 in cluster Q**

Relative:
Lower

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MATSON MFG CO INC
Facility address:	45-17 PEARSON ST LONG ISLAND CITY, NY 111014307
EPA ID:	NYD088488598
Mailing address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	PEARSON ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	INTERNATIONAL FASTENER RESEARCH CORP.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	INTERNATIONAL FASTENER RESEARCH CORP.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

MATSON MFG CO INC (Continued) **1000384219**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MATSON MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: MATSON MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 08/07/1980
Facility name: MATSON MFG CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009468931

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD088488598
Country: USA
Mailing Name: MATSON MFG CO INC
Mailing Contact: HARRY C. HAINES SUPERVIS
Mailing Address: 45-17 PEARSON ST
Mailing Address 2: Not reported
Mailing City: LONG IS CY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-786-1744

Document ID: NYO3018465

MATSON MFG CO INC (Continued) **1000384219**

Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	830606
Trans1 Recv Date:	830606
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830605
Part A Recv Date:	030628
Part B Recv Date:	030628
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO2736774
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	831215
Trans1 Recv Date:	831215
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	831215
Part A Recv Date:	031227
Part B Recv Date:	031227
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO2736207
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029

MATSON MFG CO INC (Continued) **1000384219**

Trans2 State ID:	Not reported
Generator Ship Date:	831128
Trans1 Recv Date:	831128
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	831128
Part A Recv Date:	031207
Part B Recv Date:	031207
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYA1446264
Manifest Status:	Completed copy
Trans1 State ID:	XB72HPNJ
Trans2 State ID:	Not reported
Generator Ship Date:	841218
Trans1 Recv Date:	841218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	841218
Part A Recv Date:	841220
Part B Recv Date:	841227
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01155
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	84

Document ID:	NYO4111677
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	840608
Trans1 Recv Date:	840608
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840608
Part A Recv Date:	840613
Part B Recv Date:	840620
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263

MATSON MFG CO INC (Continued) **1000384219**

Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 84

Document ID: NYO3705408
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 840828
Trans1 Recv Date: 840828
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840828
Part A Recv Date: 840831
Part B Recv Date: 840910
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 01155
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 84

Document ID: NYO3144636
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 840327
Trans1 Recv Date: 840327
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840327
Part A Recv Date: 840530
Part B Recv Date: 840409
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100

MATSON MFG CO INC (Continued) **1000384219**

Year: 84

Document ID: CTA0078430
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 6691JWNY
Trans2 State ID: X612XBNJ
Generator Ship Date: 860115
Trans1 Recv Date: 860115
Trans2 Recv Date: 860123
TSD Site Recv Date: 860117
Part A Recv Date: 860219
Part B Recv Date: 860131
Generator EPA ID: NYD088488598
Trans1 EPA ID: CTD981069099
Trans2 EPA ID: CTD981069099
TSDF ID: CTD018656819
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00570
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 86

Document ID: NYO1546911
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 820611
Trans1 Recv Date: 820611
Trans2 Recv Date: Not reported
TSD Site Recv Date: 820611
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00275
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 82

Document ID: NYO1145043
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 02A-029
Trans2 State ID: Not reported
Generator Ship Date: 820225
Trans1 Recv Date: 820225

MATSON MFG CO INC (Continued) **1000384219**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820225
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	82

Document ID:	NYA3812488
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	860626
Trans1 Recv Date:	860626
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860626
Part A Recv Date:	860813
Part B Recv Date:	860630
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00002
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3812477
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	97763GT
Trans2 State ID:	Not reported
Generator Ship Date:	860626
Trans1 Recv Date:	860626
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860626

MATSON MFG CO INC (Continued) **1000384219**

Part A Recv Date:	860813
Part B Recv Date:	860630
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00090
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00022
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3128646
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	18946GL
Trans2 State ID:	Not reported
Generator Ship Date:	860725
Trans1 Recv Date:	860725
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860725
Part A Recv Date:	860903
Part B Recv Date:	860801
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	P106 - SODIUM CYANIDE
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

MATSON MFG CO INC (Continued) **1000384219**

Specific Gravity: 100
Year: 86

Document ID: NYA2072457
Manifest Status: Completed copy
Trans1 State ID: 97763GJ
Trans2 State ID: Not reported
Generator Ship Date: 860129
Trans1 Recv Date: 860129
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860129
Part A Recv Date: 860204
Part B Recv Date: 860204
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F001 - UNKNOWN
Quantity: 00275
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86

Document ID: NYO1603242
Manifest Status: Generator copy
Trans1 State ID: 2A029
Trans2 State ID: Not reported
Generator Ship Date: 810619
Trans1 Recv Date: 810619
Trans2 Recv Date: Not reported
TSD Site Recv Date: Not reported
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00220
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 80-81

Document ID: NYO1603251
Manifest Status: TSDF copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 810410

MATSON MFG CO INC (Continued) **1000384219**

Trans1 Recv Date:	Not reported
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	810313
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	80-81

Document ID:	NYO1586826
Manifest Status:	Completed copy
Trans1 State ID:	02A-029
Trans2 State ID:	Not reported
Generator Ship Date:	811027
Trans1 Recv Date:	811027
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	811027
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F005 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	80-81

Document ID:	NYO2721177
Manifest Status:	Completed copy
Trans1 State ID:	NY2A029
Trans2 State ID:	Not reported
Generator Ship Date:	830909
Trans1 Recv Date:	830909
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830909
Part A Recv Date:	030922
Part B Recv Date:	030922
Generator EPA ID:	NYD088488598
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263

MATSON MFG CO INC (Continued) **1000384219**

Waste Code: F001 - UNKNOWN
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 83

Document ID: NYO2058264
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 821208
Trans1 Recv Date: 821208
Trans2 Recv Date: Not reported
TSD Site Recv Date: 821208
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 82

Document ID: NYO2446218
Manifest Status: Completed copy
Trans1 State ID: NY2A029
Trans2 State ID: Not reported
Generator Ship Date: 820910
Trans1 Recv Date: 820910
Trans2 Recv Date: Not reported
TSD Site Recv Date: 820910
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD088488598
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F003 - UNKNOWN
Quantity: 00325

MATSON MFG CO INC (Continued) **1000384219**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	82

Click this hyperlink while viewing on your computer to access
1 additional NY_MANIFEST: record(s) in the EDR Site Report.

T125 **EDR US Hist Auto Stat** **1015387833**
NE **2820 42ND RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.179 mi.
947 ft. **Site 1 of 2 in cluster T**

Relative:
Higher

Actual:
19 ft.

EDR Historical Auto Stations:

Name:	JACKMAN BROTHERS AUTO BODY
Year:	1999
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2000
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2001
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2002
Address:	2820 42ND RD
Name:	JACKMAN BROTHERS AUTO BODY
Year:	2003
Address:	2820 42ND RD

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126 **EAGLE ELECTRIC MFG CO INC** **NY AST** **U003393332**
NNW **43-35 24TH STREET** **NY HIST AST** **N/A**
1/8-1/4 **LIC, NY 11101**
0.180 mi.
949 ft.

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017388
Program Type:	PBS
UTM X:	589213.47773000004
UTM Y:	4511415.5948200002
Expiration Date:	2008/02/21
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	130
Affiliation Type:	Facility Owner

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Company Name:	ELECTRIC REALTY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	457 KNICKERBOCKER AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11237
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	10/28/2004

Site Id:	130
Affiliation Type:	Mail Contact
Company Name:	ELECTRIC REALTY
Contact Type:	Not reported
Contact Name:	AL PIZZUTO
Address1:	457 KNICKERBOCKER AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11237
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	10/28/2004

Site Id:	130
Affiliation Type:	On-Site Operator
Company Name:	BENFEILD ELECTRIC
Contact Type:	Not reported
Contact Name:	BENFEILD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	130
Affiliation Type:	Emergency Contact
Company Name:	ELECTRIC REALTY LLC
Contact Type:	Not reported
Contact Name:	TED LACHMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 919-0824
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	27003
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
D00 - Pipe Type - No Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-017388
SWIS Code:	6301
Operator:	EAGLE ELECTRIC MFG CO INC
Facility Phone:	(718) 937-8000
Facility Addr2:	43035 24TH STREET
Facility Type:	Not reported
Emergency:	ALFRED PIZZUTO
Emergency Tel:	(914) 962-6467
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Owner Name:	EAGLE ELECTRIC MFG CO INC
Owner Address:	45-31 COURT SQ
Owner City,St,Zip:	LIC, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 937-8000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	AL PIZZUTO
Mailing Name:	EAGLE ELECTRIC MFG CO INC
Mailing Address:	45-31 COURT SQ
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LIC, NY 11101
Mailing Telephone:	(718) 937-8000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/30/1999
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	01
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	04
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

EAGLE ELECTRIC MFG CO INC (Continued) **U003393332**

Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

T127 **J BROTHERS AUTO BODY INC** **RCRA NonGen / NLR** **1004760310**
NE **28-20 42ND RD** **FINDS** **NYR000039644**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.180 mi.
952 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: J BROTHERS AUTO BODY INC
Facility address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
EPA ID: NYR000039644
Mailing address: 42ND RD
LONG ISLAND CITY, NY 11101
Contact: PATRICK JACKMAN
Contact address: 42ND RD
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 784-2888
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: J BROTHERS AUTO BODY INC
Owner/operator address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-2888
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: J BROTHERS AUTO BODY INC
Owner/operator address: 28-20 42ND RD
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-2888
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

J BROTHERS AUTO BODY INC (Continued) **1004760310**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	J BROTHERS AUTO BODY INC
Classification:	Not a generator, verified

Date form received by agency:	05/22/1997
Facility name:	J BROTHERS AUTO BODY INC
Classification:	Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004534549

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000039644
Country:	USA
Mailing Name:	JACKMAN BROTHERS AUTO BODY
Mailing Contact:	DARICK JACKMAN
Mailing Address:	28-20 42ND ROAD
Mailing Address 2:	Not reported
Mailing City:	LIC
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-2888

Document ID:	NJA2963795
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	06/30/1998
Trans1 Recv Date:	06/30/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/08/1998
Part A Recv Date:	Not reported

J BROTHERS AUTO BODY INC (Continued) **1004760310**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000039644
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	50160
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NJA3069086
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	10/07/1999
Trans1 Recv Date:	10/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/11/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000039644
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	50160
Waste Code:	F003 - UNKNOWN
Quantity:	00045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99

R128
WSW
1/8-1/4
0.181 mi.
957 ft.

Relative:
Higher

Actual:
16 ft.

CONSOLIDATED EDISON **NY MANIFEST** **1009239522**
PEARSON ST & JACKSON AVE **N/A**
QUEENS, NY 11101

Site 2 of 2 in cluster R

NY MANIFEST:

EPA ID:	NYP004062386
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

CONSOLIDATED EDISON (Continued) **1009239522**

Document ID:	NYE0671445
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2000
Trans1 Recv Date:	09/12/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004062386
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	GX3213
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	01093
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

---

129 **EDR US Hist Cleaners** **1015062971**
SE **4507 28TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.183 mi.
964 ft.

Relative:
Higher

Actual:
20 ft.

EDR Historical Cleaners:

Name:	JIFFY JEFFS LAUNDROMAT
Year:	1999
Address:	4507 28TH ST
Name:	JIFFY JEFFS LAUNDROMAT
Year:	2000
Address:	4507 28TH ST

U130 **SATT REALTY CORP.** **NY UST** **U001839678**
South **26-32 SKILLMAN AVENUE** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.187 mi.
985 ft. **Site 1 of 2 in cluster U**

Relative:
Higher

Actual:
14 ft.

UST:

Id/Status:	2-349429 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589385.55319000001
UTM Y:	4510876.7618100001
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	17202
Affiliation Type:	Facility Owner

SATT REALTY CORP. (Continued) **U001839678**

Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	26132 SKILLMAN AVE.
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(800) 521-1132
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	Mail Contact
Company Name:	AMERICAN PLUME
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	P.O. BOX 566
Address2:	Not reported
City:	CLARKS SUMMIT
State:	PA
Zip Code:	18411
Country Code:	001
Phone:	(800) 521-1132
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	On-Site Operator
Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-1552
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17202
Affiliation Type:	Emergency Contact
Company Name:	SATT REALTY CORP.
Contact Type:	Not reported
Contact Name:	ANTHONY TRENTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported

SATT REALTY CORP. (Continued) **U001839678**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 729-1552
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 33501
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: Not reported
Date Tank Closed: 08/01/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

HIST UST:
PBS Number: 2-349429
SPDES Number: Not reported
Emergency Contact: ERNEST TRENTO
Emergency Telephone: (516) 671-2766
Operator: ANTHONY TRENTO % ERNEST TRENTO
Operator Telephone: (718) 729-1552
Owner Name: ERNEST TRENTO
Owner Address: 15 MICHAEL F STREET
Owner City,St,Zip: LOCUST VALLEY, NY 11560
Owner Telephone: (516) 671-2766
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: SATT REALTY CORP.
Mailing Address: 26-32 SKILLMAN AVENUE

SATT REALTY CORP. (Continued) **U001839678**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 729-1552
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	26032 SKILLMAN AVE
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/27/2000
Expiration Date:	10/26/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	6000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Stainless steel alloy
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True

SATT REALTY CORP. (Continued) **U001839678**

Lat/long: Not reported

U131 **SPILL NUMBER 0303917** **NY LTANKS** **S105999403**
South **26-32 SKILLMAN AVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.187 mi.
985 ft. **Site 2 of 2 in cluster U**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	283736
Spill Number/Closed Date:	0209560 / 2/17/2006
Spill Date:	12/17/2002
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	Con Ed Unassigned
Referred To:	Not reported
Reported to Dept:	12/17/2002
CID:	198
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/17/2002
Spill Record Last Update:	2/17/2006
Spiller Name:	ERNEST
Spiller Company:	Not reported
Spiller Address:	26-32 SKILLMAN AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	ERNEST
Spiller Phone:	(718) 729-1552
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	228002
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"CALLED ERNEST TRENTO, CO-OWNER FOR THIS PROPERTY, WHO CONFIRMED THAT THE TANK FAILED TIGHTNESS TEST.TANK TEST FAILURE LETTER WILL BE SENT, VIA THE MAIL, TODAY.E.R. 1/14/04 TIPPLE Sent request for documentation.12/19/05 Feroze. Spill is transferred from Ketani to Feroze.02/01/06. Feroze . Phone No. 718- 729-1552 is not in service. PBS of this site is #2-349429.TTF is sent:Satt realty Corp.26-32 Skillman Ave,Long Island City. NY 11101.02/17/06. Feroze, According to PBS documents the tank is closed and removed from the place. There was a leak in dry portion of the tank. Consultation with DEc Jake the slill is closed.
Remarks:	CALLER AGENCY CALLED TO DO TANK TEST - TEST RESULTED IN DRY LEAKAGE.

Material:

Site ID:	283736
Operable Unit ID:	860830

SPILL NUMBER 0303917 (Continued) **S105999403**

Operable Unit: 01
Material ID: 512980
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 283736
Spill Tank Test: 1527845
Tank Number: 1
Tank Size: 6000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

Site ID: 280781
Spill Number/Closed Date: 0303917 / 1/7/2004
Spill Date: 7/14/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: CESAWYER
Referred To: Not reported
Reported to Dept: 7/14/2003
CID: 405
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 7/14/2003
Spill Record Last Update: 1/7/2004
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: 26-32 SKILLMAN AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller County: 001
Spiller Contact: ANTIL ANTOINE
Spiller Phone: (413) 246-2664
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 228002

SPILL NUMBER 0303917 (Continued) **S105999403**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"Tank test failure letter sent to:Mr. Ernie Trentoc/o American PlumePO Box 566Clarks Summit, PA 184119/17/03 TRANSFERRED FROM TIPPLE TO SAWYER11/26/03 1042 Hrs - Sawyer - Received an extensive fax from the lawyer J. James Carriero for the tank closure that happened on 8/1/03. All disposal, removal and end point sample analysis is contained in this report. A "No Further Action" letter will be sent to Ernie Trento. Closed.
Remarks: uncover - repair - retest

Material:
Site ID: 280781
Operable Unit ID: 872173
Operable Unit: 01
Material ID: 504775
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

132
NNW
1/8-1/4
0.189 mi.
998 ft.

Relative: Higher

Actual: 15 ft.

MORBECK CORP **NY AST U003389869**
24-15 43 AVE **NY HIST AST N/A**
LONG ISLAND CITY, NY 11101

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-309052
Program Type: PBS
UTM X: 589254.16087999998
UTM Y: 4511458.8288599998
Expiration Date: 2018/07/10
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
Site Id: 14071
Affiliation Type: Facility Owner
Company Name: AB MARBEC REALTY CORP
Contact Type: PRESIDENT
Contact Name: AVROHOM BECKER
Address1: 1684 59TH STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11204
Country Code: 001

MORBECK CORP (Continued) **U003389869**

Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

Site Id:	14071
Affiliation Type:	Mail Contact
Company Name:	AB MARBEC REALTY CORP
Contact Type:	PRESIDENT
Contact Name:	AVROHOM BECKER
Address1:	1684 59TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

Site Id:	14071
Affiliation Type:	On-Site Operator
Company Name:	AB MARBEC REALTY CORP
Contact Type:	Not reported
Contact Name:	CALVIN COOKS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-6420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14071
Affiliation Type:	Emergency Contact
Company Name:	AB MARBEC REALTY CORP
Contact Type:	Not reported
Contact Name:	AVROHOM BECKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 633-2236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/3/2013

MORBECK CORP (Continued) **U003389869**

Tank Info:

Tank Number:	00A
Tank Id:	17769
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	00B
Tank Id:	17770
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron

MORBECK CORP (Continued) **U003389869**

Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	00C
Tank Id:	17771
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
I05 - Overfill - Vent Whistle

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/10/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/03/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-309052
SWIS Code:	6301
Operator:	MORBECK REALTY
Facility Phone:	(718) 392-7096
Facility Addr2:	24015 43 AVE
Facility Type:	Not reported
Emergency:	MORRIS BECKER
Emergency Tel:	(718) 633-2236

MORBECK CORP (Continued) **U003389869**

Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MORBECK CORP
Owner Address:	24-15 43 AVE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 392-7096
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MORBECK CORP
Mailing Address:	24-15 43 AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 392-7096
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/20/1987
Expiration:	07/20/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	9000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	True
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	00A
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

MORBECK CORP (Continued) **U003389869**

Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 00B
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 3000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

Tank ID: 00C
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 3000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: None
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing

MORBECK CORP (Continued) **U003389869**

Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

V133 **QUEENS PLAZA RESIDENTIAL DEVELOPMENT** **NY BROWNFIELDS** **S108524793**
NE **28-10 JACKSON AVENUE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1017 ft. **Site 1 of 2 in cluster V**

Relative:
Higher

Actual:
18 ft.

BROWNFIELDS:
Program: BCP
Site Code: 379475
Site Description: Location: This Brownfield site is approximately 0.5 acres in size and is a portion of the Outlet City VCP site(#V00081) located at 28-10 Jackson Avenue, Long Island City. The site is located in Queens County, on Jackson Ave between Orchard Street to the east, Queens Blvd. to the west and Long Island Railroad yard to the south. The G-Train runs underneath Jackson Avenue bordering the site to the north. The nearest residential structure is located approximately 100ft to the west across Orchard street. Site Features: This 0.5 acre site is an empty lot in a congested commercial/industrial area of Queens County. Current Zoning/Uses(s): The current zoning at the site is Industrial and Retail. The surrounding area is zoned Special Long Island City Mixed Use District (LIC) and is a longstanding mix of residential, commercial, industrial and cultural uses at varying densities.Historical Uses: The site had formerly been used for chemical manufacturing. From 1901-1978, West Chemical Co. owned the property and manufactured commercial and disinfectant products such as disinfectants, insecticides, soaps, floor wax, and paper products dispensing machines. Manufacturing operations employed various chemical substances including creosote, coal and acids, cresylic acids, degreasing solvents, iodine, and assorted oils and pesticides. Metal plating and gasoline filling operations were also conducted at the property. Intended use for this site is to build a multi-tenant high-rise residential apartment building with ground floor commercial space and a basement.The Remedial Work Plan was publicly noticed in June/July 2007 and was approved by the state on August 16,2007. The remedial action has not yet been done (Sept. 2011).Site Geology and Hydrogeology: Site geology consists of mostly sand at varying depths due to presence of shallow bedrock. Groundwater is approximately 8 -10ft below grade.
Env Problem: The release of approximately 5000 gallons of creosote caused extensive soil and groundwater contamination that includes the presence of LNAPL and residual DNAPL. This site is considered a significant threat to the environment.Contaminants in soil which exceed soil cleanup objectives primarily include: Naphthalene, 2-Methylnaphthalene, Acenaphtene, Dibenzofuran, Flourene, Benzene, Ethylbenzene, and total Xylenes.Contaminants in groundwater which exceed groundwater standards primarily include: 2-methylphenol, phenol, Napthalene, 2-methylnaphthalene, benzene, Toluene, Ethylbenzene, and total xylenes.
Health Problem: The remedial investigation documented that subsurface soils and groundwater are contaminated with volatile organic compounds, semi volatile organic compounds, and chlorinated solvents. Exposures via

QUEENS PLAZA RESIDENTIAL DEVELOPMENT (Continued) **S108524793**

drinking water are not expected because this mixed industrial/residential neighborhood is served by public water. The new building proposed for the site will include a vapor barrier and sub-slab depressurization system to prevent exposures via vapor intrusion. Additionally, the site will be capped with asphalt and managed through the site management plan which minimizes the potential for direct contact with residual soil contamination.

W134 **EDR US Hist Cleaners** **1015031981**
NNE **2704 42ND RD** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1017 ft. **Site 1 of 4 in cluster W**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:

Name:	UTICA LAUNDRY CORP
Year:	2006
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2007
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2008
Address:	2704 42ND RD
Name:	UTICA LAUNDRY CORP
Year:	2009
Address:	2704 42ND RD

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135 **GAP REALTY CO** **NY UST** **U000724472**
SW **45-56 PEARSON ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.193 mi.
1019 ft.

Relative:
Lower

Actual:
9 ft.

UST:

Id/Status:	2-600746 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589134.61719000002
UTM Y:	4511015.4052200001
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	22724
Affiliation Type:	Facility Owner
Company Name:	MICHAEL GLUCK-GEN. PARTNER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY

GAP REALTY CO (Continued) **U000724472**

Zip Code:	11101
Country Code:	001
Phone:	(718) 361-2121
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	Mail Contact
Company Name:	GAP REALTY CO
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	45-55 PEARSON ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-2121
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	On-Site Operator
Company Name:	GAP REALTY CO
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 745-9682
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22724
Affiliation Type:	Emergency Contact
Company Name:	MICHAEL GLUCK-GEN. PARTNER
Contact Type:	Not reported
Contact Name:	DOUG BEHRMANN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 745-9682
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

GAP REALTY CO (Continued) **U000724472**

Date Last Modified: 3/4/2004

Tank Info:

Tank Number: D1
Tank ID: 43537
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground

Tank Number: G1
Tank ID: 43535
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None

GAP REALTY CO (Continued) **U000724472**

H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: G2
Tank ID: 43536
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-600746
SPDES Number: Not reported
Emergency Contact: DOUG BEHRMANN
Emergency Telephone: (718) 745-9682
Operator: DOUG BEHRMANN
Operator Telephone: (718) 745-9682
Owner Name: MICHAEL GLUCK-GEN. PARTNER
Owner Address: 45-55 PEARSON ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 361-2121
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GAP REALTY CO
Mailing Address: 45-55 PEARSON ST
Mailing Address 2: Not reported

GAP REALTY CO (Continued) **U000724472**

Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	DOUG BEHRMANN
Mailing Telephone:	(718) 361-2121
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	45056 PEARSON ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	05/08/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	D1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

GAP REALTY CO (Continued) **U000724472**

Tank Id:	G1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	G2
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

W136 **ANOCA PLATING SERVICE CORP** **RCRA NonGen / NLR** **1000166062**
NNE **27-04 42ND RD** **FINDS** **NYD041565748**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.194 mi.
1024 ft. **Site 2 of 4 in cluster W**

Relative:
Higher

Actual:
18 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ANOCA PLATING SERVICE CORP
Facility address:	27-04 42ND RD LONG ISLAND CITY, NY 111014112
EPA ID:	NYD041565748
Mailing address:	42ND RD LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	42ND RD LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAMUEL HUREWITZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAMUEL HUREWITZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

ANOCA PLATING SERVICE CORP (Continued) **1000166062**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ANOCA PLATING SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ANOCA PLATING SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ANOCA PLATING SERVICE CORP
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/25/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004354341

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

137
NNE
1/8-1/4
0.194 mi.
1025 ft.

Relative:
Higher

Actual:
20 ft.

STAR JOURNAL BUILDING **NY AST** **A100296154**
42-26 28TH STREET **N/A**
LONG ISLAND CITY, NY 11101

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-607562
Program Type: PBS
UTM X: 589547.09658000001
UTM Y: 4511504.8855699999
Expiration Date: 2007/04/03
Site Type: Other

STAR JOURNAL BUILDING (Continued) **A100296154**

Affiliation Records:

Site Id:	29414
Affiliation Type:	Facility Owner
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42--46 28TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	Mail Contact
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	CHARLES M. FERTITTA
Address1:	42-26 28TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	On-Site Operator
Company Name:	STAR JOURNAL BUILDING
Contact Type:	Not reported
Contact Name:	RYES PYLON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-5131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29414
Affiliation Type:	Emergency Contact
Company Name:	CREATIVE ESTATES INC
Contact Type:	Not reported
Contact Name:	ROBERT FERTITTA

STAR JOURNAL BUILDING (Continued) **A100296154**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 746-2726
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	63193
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

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138 **CON EDISON MANHOLE 954** **RCRA NonGen / NLR** **1010326800**
South **47TH ST & SKILLMAN AVE** **NY MANIFEST** **NYP004143129**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1040 ft.

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/17/2006
Facility name:	CON EDISON MANHOLE 954
Facility address:	47TH ST & SKILLMAN AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYP004143129

CON EDISON MANHOLE 954 (Continued) **1010326800**

Mailing address:	4 IRVING PL, RM 828
	NEW YORK, NY 10003
Contact:	MICHAEL DAUGHTREY
Contact address:	4 IRVING PL, RM 828
	NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 580-8383
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	11/16/2006
Facility name:	CON EDISON MANHOLE 954
Site name:	CON EDISON
Classification:	Not a generator, verified

Date form received by agency:	11/15/2006
Facility name:	CON EDISON MANHOLE 954
Site name:	CON EDISON
Classification:	Unverified

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004143129
Country:	USA
Mailing Name:	CONSOLIDATAED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

CON EDISON MANHOLE 954 (Continued) **1010326800**

Document ID:	NYE1286631
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/24/2006
Trans1 Recv Date:	06/24/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/26/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004143129
Trans1 EPA ID:	12446JT
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00168
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2006

X139 **EDR US Hist Auto Stat** **1015488606**
North **4237 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1040 ft. **Site 1 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

EDR Historical Auto Stations:

Name:	BAGWIN BROTHERS SVC CTR INC
Year:	2010
Address:	4237 CRESCENT ST

X140 **BAGWIN BROTHERS SERVICE CENTER, INC.** **NY UST** **U004046068**
North **42-37 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1043 ft. **Site 2 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-609460 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589390.39372000005
UTM Y:	4511532.4145799996
Site Type:	Other

Affiliation Records:

Site Id:	31304
Affiliation Type:	Mail Contact
Company Name:	BAGWIN BROTHERS SERVICE CENTER INC
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	42-37 CHESCENT STREET

BAGWIN BROTHERS SERVICE CENTER, INC. (Continued) **U004046068**

Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	31304
Affiliation Type:	On-Site Operator
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/24/2009

Site Id:	31304
Affiliation Type:	Emergency Contact
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BAGWIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 786-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/24/2009

Site Id:	31304
Affiliation Type:	Facility Owner
Company Name:	BAGWIN BROTHERS SERVICE CENTER, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-37 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-5656

BAGWIN BROTHERS SERVICE CENTER, INC. (Continued) **U004046068**

EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/24/2009

Tank Info:

Tank Number: 001
Tank ID: 67522
Tank Status: A
Material Name: A
Capacity Gallons: 200
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LXZIELIN
Last Modified: 05/16/2012

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None

Y141 **EDR US Hist Auto Stat** **1015507532**
SSE **4620 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1043 ft. **Site 1 of 3 in cluster Y**

Relative:
Lower

Actual:
13 ft.

EDR Historical Auto Stations:

Name: T & M AUTO SPECIALIST
Year: 2003
Address: 4620 27TH ST

Name: SKILLMAN AUTO INC
Year: 2004
Address: 4620 27TH ST

Name: LIC AUTO GROUP
Year: 2005
Address: 4620 27TH ST

X142 **EPPY PLATING** **RCRA NonGen / NLR** **1000440607**
North **42-40 CRESCENT ST** **FINDS** **NYD078517307**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.198 mi.
1048 ft. **Site 3 of 6 in cluster X**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	EPPY PLATING
Facility address:	42-40 CRESCENT ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD078517307
Mailing address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	CRESCENT ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

EPPY PLATING (Continued) **1000440607**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: EPPY PLATING
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: EPPY PLATING
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/09/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004370190

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Y143 **46-20 27TH STREET LLC** **NY AST** **A100183492**
SSE **46-20 27TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.199 mi.
1050 ft. **Site 2 of 3 in cluster Y**

Relative:
Lower

Actual:
13 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-606925
Program Type: PBS
UTM X: 589458.58097999997
UTM Y: 4510905.84301
Expiration Date: N/A
Site Type: Other

Affiliation Records:
Site Id: 28780
Affiliation Type: Mail Contact
Company Name: 46-20 27TH STREET LLC
Contact Type: Not reported

46-20 27TH STREET LLC (Continued) **A100183492**

Contact Name:	SHAHRAM NASSI
Address1:	54 EAST 11TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	On-Site Operator
Company Name:	46-20 27TH STREET LLC
Contact Type:	Not reported
Contact Name:	SHAHRAM NASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	Emergency Contact
Company Name:	46-20 27TH STREET LLC % SHAHRAM NASSI
Contact Type:	Not reported
Contact Name:	SHAHRAM NASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Site Id:	28780
Affiliation Type:	Facility Owner
Company Name:	46-20 27TH STREET LLC % SHAHRAM NASSI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	54 EAST 11TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003

46-20 27TH STREET LLC (Continued) **A100183492**

Country Code:	001
Phone:	(212) 777-9131
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/8/2007

Tank Info:

Tank Number:	001
Tank Id:	62051
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

I00 - Overfill - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
A00 - Tank Internal Protection - None
G10 - Tank Secondary Containment - Impervious Underlayment
B00 - Tank External Protection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/2006
Register:	True
Modified By:	NRLOMBAR
Last Modified:	08/08/2007
Material Name:	Waste Oil/Used Oil

144
NW
1/8-1/4
0.202 mi.
1066 ft.

PARKING LOT **NY UST U001831742**
23-14 44TH ROAD **NY HIST UST N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-064319 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589101.66958999995
UTM Y:	4511360.8470999999
Site Type:	Other

Affiliation Records:

Site Id:	1335

PARKING LOT (Continued) **U001831742**

Affiliation Type:	Facility Owner
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	VICE PRESIDENT
Contact Name:	BRAIN M. MACDONALD
Address1:	23-14, 44TH RD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(212) 615-8027
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	Mail Contact
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O ALONSO ANDALKAR & KAHN
Address2:	920 BROADWAY, 16TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 598-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	On-Site Operator
Company Name:	PARKING LOT
Contact Type:	Not reported
Contact Name:	PERENIALLY GREEN, INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 615-8027
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Site Id:	1335
Affiliation Type:	Emergency Contact
Company Name:	PERENNIALLY GREEN, INC.
Contact Type:	Not reported
Contact Name:	KEITH OWEN
Address1:	Not reported
Address2:	Not reported

PARKING LOT (Continued) **U001831742**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 248-4939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/20/2005

Tank Info:

Tank Number:	001
Tank ID:	2371
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1500
Install Date:	Not reported
Date Tank Closed:	01/01/1988
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	09/20/2005

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I00 - Overfill - None

Tank Number:	002
Tank ID:	2372
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1500
Install Date:	Not reported
Date Tank Closed:	01/01/1988
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN

PARKING LOT (Continued) **U001831742**

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 09/20/2005

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None

Tank Number: 003
Tank ID: 2373
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 01/01/1988
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 09/20/2005

Equipment Records:

H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-064319
SPDES Number: Not reported
Emergency Contact: ROBERT OUMANO
Emergency Telephone: (718) 784-1035
Operator: FRANCO-AMERICAN NOVELTY CO INC
Operator Telephone: (718) 784-1035

PARKING LOT (Continued) **U001831742**

Owner Name:	ROBERT OUMANO
Owner Address:	23-14 44TH ROAD
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 784-1035
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	CITICORP
Mailing Address:	23-14 44TH ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LON ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 784-1035
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	23014 44TH ROAD
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/14/1987
Expiration Date:	01/14/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	True
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported

PARKING LOT (Continued) **U001831742**

Dispenser: Gravity
Date Tested: Not reported
Next Test Date: 12/27/1987
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (gals): 1500
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: 12/27/1987
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (gals): 1500
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: 12/27/1987

PARKING LOT (Continued) **U001831742**

Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

X145 **EDR US Hist Auto Stat** **1015488529**
North **4235 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.203 mi.
1071 ft. **Site 4 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:

Name: MALTA COLLISION
Year: 2005
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2006
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2007
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2008
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2011
Address: 4235 CRESCENT ST

Name: MALTA COLLISION
Year: 2012
Address: 4235 CRESCENT ST

V146 **MTA NYCT - JACKSON & WEST SUBSTA SS 26** **RCRA-CESQG** **1001818289**
NE **28-20 JACKSON AVE** **FINDS** **NYR000078238**
1/8-1/4 **LONG ISLAND CITY, NY** **NJ MANIFEST**
0.208 mi. **NY MANIFEST**
1097 ft. **Site 2 of 2 in cluster V**

Relative:
Higher

Actual:
18 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Facility address: 28-20 JACKSON AVE
LONG ISLAND CITY, NY 11101
EPA ID: NYR000078238
Mailing address: BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Contact: WILLIAM JEHLE
Contact address: BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Contact country: US

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Contact telephone: (646) 252-3500
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/22/2000
Facility name: MTA NYCT - JACKSON & WEST SUBSTA SS 26
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004557391

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code:	NJA5028151
EPA ID:	NYR000078238
Date Shipped:	09/13/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/13/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/13/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12170422
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NY MANIFEST:

EPA ID:	NYR000078238
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	EVA MOUSSA
Mailing Address:	2 BROADWAY 2ND FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-3789

Document ID:	NYB6716025
Manifest Status:	Not reported
Trans1 State ID:	57994JL
Trans2 State ID:	Not reported
Generator Ship Date:	08/19/2004
Trans1 Recv Date:	08/19/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/20/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000078238
Trans1 EPA ID:	NY0000148163
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	003

MTA NYCT - JACKSON & WEST SUBSTA SS 26 (Continued) **1001818289**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NJA5028151
Manifest Status: Not reported
Trans1 State ID: S8424
Trans2 State ID: Not reported
Generator Ship Date: 09/13/2004
Trans1 Recv Date: 09/13/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/13/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000078238
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: NJD991291
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01200
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

X147 **EDR US Hist Auto Stat** **1015488482**
North **4233 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.209 mi.
1101 ft. **Site 5 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Auto Stations:

Name: NICK & CHARLIES AUTO REPAIR
Year: 1999
Address: 4233 CRESCENT ST

Name: NICK & CHARLIES AUTO REPAIR
Year: 2000
Address: 4233 CRESCENT ST

Name: JOHNS AUTO CTR
Year: 2001
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2002
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2003
Address: 4233 CRESCENT ST

Name: QUEEN PLAZA AUTO REPAIR
Year: 2004

(Continued) **1015488482**

Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2006
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2009
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INCORPORATED
Year: 2011
Address: 4233 CRESCENT ST

Name: MALTA COLLISION INC
Year: 2012
Address: 4233 CRESCENT ST

W148 **KOREA NEWS** **RCRA-SQG** **1000694281**
NNE **42-22 27TH ST** **FINDS** **NYD987005857**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.214 mi.
1128 ft. **Site 3 of 4 in cluster W**

Relative:
Higher

Actual:
19 ft.

RCRA-SQG:
Date form received by agency: 01/01/2007
Facility name: KOREA NEWS
Facility address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD987005857
Mailing address: 27TH ST
LONG ISLAND CITY, NY 11101
Contact: LEE KYUNG
Contact address: 27TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (212) 555-1212
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KOREA NEWS
Owner/operator address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 482-1111
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

KOREA NEWS (Continued) **1000694281**

Owner/operator name: KOREA NEWS
Owner/operator address: 42-22 27TH ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 482-1111
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KOREA NEWS
Classification: Small Quantity Generator

Date form received by agency: 06/12/1992
Facility name: KOREA NEWS
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 07/30/2010
Date achieved compliance: 08/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State

KOREA NEWS (Continued) **1000694281**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 07/30/2010
Date achieved compliance: 07/30/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 07/30/2010
Date achieved compliance: 08/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/30/2010
Date achieved compliance: 08/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

KOREA NEWS (Continued) **1000694281**

Enforcement action date: 09/16/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/16/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 08/13/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 08/13/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/16/2010
Evaluation lead agency: State

Evaluation date: 07/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 07/30/2010
Evaluation lead agency: State

FINDS:

Registry ID: 110004491292

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

KOREA NEWS (Continued) **1000694281**

NY MANIFEST:

EPA ID:	NYD987005857
Country:	USA
Mailing Name:	KOREA NEWS
Mailing Contact:	KOREA NEWS
Mailing Address:	42-22 27TH ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-1111

Document ID:	NJA1828461
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	940701
Trans1 Recv Date:	940701
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940706
Part A Recv Date:	Not reported
Part B Recv Date:	940715
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00988
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA2055469
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	950209
Trans1 Recv Date:	950209
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950209
Part A Recv Date:	Not reported
Part B Recv Date:	950222
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00988
Units:	P - Pounds
Number of Containers:	002

KOREA NEWS (Continued) **1000694281**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NJA2693878
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 961018
Trans1 Recv Date: 961018
Trans2 Recv Date: Not reported
TSD Site Recv Date: 961023
Part A Recv Date: 961106
Part B Recv Date: 961114
Generator EPA ID: NYD987005857
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00495
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA2521321
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 08690
Trans2 State ID: 00602
Generator Ship Date: 960726
Trans1 Recv Date: 960726
Trans2 Recv Date: 960730
TSD Site Recv Date: 960730
Part A Recv Date: Not reported
Part B Recv Date: 960821
Generator EPA ID: NYD987005857
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: NYD980769947
TSDF ID: NJD002182897
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00495
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA2221692
Manifest Status: Completed copy
Trans1 State ID: 08690

KOREA NEWS (Continued) **1000694281**

Trans2 State ID:	Not reported
Generator Ship Date:	960403
Trans1 Recv Date:	960403
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960411
Part A Recv Date:	960410
Part B Recv Date:	960426
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00495
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2085380
Manifest Status:	Completed copy
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	960503
Trans1 Recv Date:	960503
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960507
Part A Recv Date:	960509
Part B Recv Date:	960521
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00990
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA4013876
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	01/14/2002
Trans1 Recv Date:	01/14/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	NJD002182897

KOREA NEWS (Continued) **1000694281**

Trans2 EPA ID:	Not reported
TSDF ID:	08690
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00480
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC7197210
Manifest Status:	Not reported
Trans1 State ID:	NY83381JN
Trans2 State ID:	NJ044T465
Generator Ship Date:	02/19/2004
Trans1 Recv Date:	02/19/2004
Trans2 Recv Date:	02/24/2004
TSD Site Recv Date:	03/01/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYC7212148
Manifest Status:	Not reported
Trans1 State ID:	NY83318JN
Trans2 State ID:	Not reported
Generator Ship Date:	04/19/2004
Trans1 Recv Date:	04/19/2004
Trans2 Recv Date:	04/23/2004
TSD Site Recv Date:	04/29/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00700
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

KOREA NEWS (Continued) **1000694281**

Year: 2004

Document ID: NYC7247035
Manifest Status: Not reported
Trans1 State ID: NY55817L
Trans2 State ID: T465GLNJ
Generator Ship Date: 08/16/2004
Trans1 Recv Date: 08/16/2004
Trans2 Recv Date: 08/20/2004
TSD Site Recv Date: 08/30/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00800
Units: P - Pounds
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYC7248126
Manifest Status: Not reported
Trans1 State ID: NYAT8305
Trans2 State ID: NJT16L8D
Generator Ship Date: 10/25/2004
Trans1 Recv Date: 10/25/2004
Trans2 Recv Date: 10/29/2004
TSD Site Recv Date: 11/07/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: TXR000050930
Trans2 EPA ID: Not reported
TSDF ID: KYD053348
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-09-10
Trans1 Recv Date: 2008-09-10

KOREA NEWS (Continued) **1000694281**

Trans2 Recv Date:	2008-09-16
TSD Site Recv Date:	2008-09-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124881SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	2008-02-28
TSD Site Recv Date:	2008-03-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083187SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

KOREA NEWS (Continued) **1000694281**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1600.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253079SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-03-21
Trans1 Recv Date:	2008-03-21
Trans2 Recv Date:	2008-04-04
TSD Site Recv Date:	2008-04-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported

KOREA NEWS (Continued) **1000694281**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124880SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	2008-02-28
TSD Site Recv Date:	2008-03-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083187SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

KOREA NEWS (Continued) **1000694281**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-09-10
Trans1 Recv Date: 2008-09-10
Trans2 Recv Date: 2008-09-16
TSD Site Recv Date: 2008-09-16
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: Not reported
Quantity: 900.0
Units: P - Pounds
Number of Containers: 3.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000124881SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H061

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-03-21
Trans1 Recv Date: 2008-03-21
Trans2 Recv Date: 2008-04-04
TSD Site Recv Date: 2008-04-04
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987005857
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0

KOREA NEWS (Continued) **1000694281**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124880SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1600.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253079SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

KOREA NEWS (Continued) **1000694281**

Trans2 State ID:	OKD981588791
Generator Ship Date:	2008-11-05
Trans1 Recv Date:	2008-11-05
Trans2 Recv Date:	2008-11-12
TSD Site Recv Date:	2008-11-14
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987005857
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124888SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
80 additional NY_MANIFEST: record(s) in the EDR Site Report.

W149 **KOREA NEWS** **NJ MANIFEST** **S109533774**
NNE **42-22 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND, NY 11101**
0.214 mi.
1128 ft. **Site 4 of 4 in cluster W**

Relative:
Higher

Actual:
19 ft.

NJ MANIFEST:

Manifest Code:	002592048SKS
EPA ID:	NYD987005857
Date Shipped:	11/4/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	11/4/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	11/14/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	800.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	002593605SKS
EPA ID:	NYD987005857
Date Shipped:	7/29/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/29/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	8/8/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	1,200.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	002595858SKS
EPA ID:	NYD987005857
Date Shipped:	9/6/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	KOREA NEWS
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	9/6/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D011
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	9/15/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	400.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	000124881SKS
EPA ID:	NYD987005857
Date Shipped:	09/10/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/10/2008
Date Trans2 Transported Waste:	09/16/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/16/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	900
Unit:	P
Hand Code:	H061

Manifest Code:	000124880SKS
EPA ID:	NYD987005857
Date Shipped:	03/21/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/21/2008
Date Trans2 Transported Waste:	04/04/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

KOREA NEWS (Continued) **S109533774**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/09/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	400
Unit:	P
Hand Code:	H061

X150 **EDR US Hist Cleaners** **1015059399**
North **4231 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.214 mi.
1131 ft. **Site 6 of 6 in cluster X**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:

Name:	CLEANING & RESTORATION
Year:	2003
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2004
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2005
Address:	4231 CRESCENT ST
Name:	CLEANING & RESTORATION
Year:	2006
Address:	4231 CRESCENT ST

151
NW
1/8-1/4
0.216 mi.
1142 ft.

BRANCO LEATHER INC
44-02 23RD ST
LONG ISLAND CITY, NY 11101

NY AST **U003384065**
NY HIST AST **N/A**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-081345
Program Type:	PBS
UTM X:	589109.69863
UTM Y:	4511409.3499100003
Expiration Date:	2012/03/24
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	1694
Affiliation Type:	Mail Contact
Company Name:	BRANCO LEATHER INC.
Contact Type:	Not reported
Contact Name:	BERNARDO DRUKER
Address1:	4402 23RD ST
Address2:	STUDIO #18 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-1401
EMail:	LICARTCENTER@AOL.COM
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	On-Site Operator
Company Name:	BRANCO LEATHER INC
Contact Type:	Not reported
Contact Name:	EDGAR PEREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	Emergency Contact
Company Name:	BERNARDO DRUKER
Contact Type:	Not reported
Contact Name:	EDGAR PEREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Site Id:	1694
Affiliation Type:	Facility Owner
Company Name:	BERNARDO DRUKER
Contact Type:	PRESIDENT
Contact Name:	BERNARDO DRUKER
Address1:	44-02 23RD ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-1401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/20/2007

Tank Info:

Tank Number:	001
Tank Id:	2905
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F02 - Pipe External Protection - Original Sacrificial Anode
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel Tank in Concrete
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/15/1981
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	02/20/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-081345
SWIS Code:	6301
Operator:	EDGAR PEREZ
Facility Phone:	(718) 361-1114
Facility Addr2:	44002 23RD ST
Facility Type:	MANUFACTURING
Emergency:	EDGAR PEREZ
Emergency Tel:	(718) 361-1114
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BERNARDO DRUKER
Owner Address:	44-02 23RD ST
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 361-1114
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	BERNARDO DRUKER
Mailing Address:	44-02 23RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 361-1114
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/28/2001
Expiration:	03/24/2007
Renew Flag:	False
Renew Date:	11/13/2001
Total Capacity:	7500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported

BRANCO LEATHER INC (Continued) **U003384065**

Capacity (Gal):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

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152 **SUBACCHI FURNITYRE-46-24 28TH ST** **RCRA-CESQG** **1000144031**
SSE **46-24 28TH STREET** **NY MANIFEST** **NYD045440997**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **US AIRS**
0.216 mi.
1143 ft.

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	SUBACCHI FURNITURE
Facility address:	46-24 28TH ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD045440997
Mailing address:	28TH ST LONG ISLAND CITY, NY 11101
Contact:	STEPHEN VOLPE
Contact address:	28TH ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 361-0551
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: STEPHEN VOLPE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEPHEN VOLPE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SUBACCHI FURNITURE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/02/1986
Facility name: SUBACCHI FURNITURE
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:
EPA ID: NYD045440997
Country: USA
Mailing Name: SUBACCHI FURNITURE
Mailing Contact: SUBACCHI FURNITURE
Mailing Address: 46-24 28TH STREET
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-361-0551

Document ID: NJA0381442
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880106
Trans1 Recv Date: 880106
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880106
Part A Recv Date: 880115
Part B Recv Date: 880114
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00135
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 88

Document ID: NJA0628795
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 890912
Trans1 Recv Date: 890912
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890912
Part A Recv Date: 890918
Part B Recv Date: 890922
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Quantity:	00160
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0629429
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891206
Trans1 Recv Date:	891206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891207
Part A Recv Date:	891211
Part B Recv Date:	891218
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0840449
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	900306
Trans1 Recv Date:	900306
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900306
Part A Recv Date:	900327
Part B Recv Date:	900402
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Document ID:	NJA0977216
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910115
Trans1 Recv Date:	910115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910115
Part A Recv Date:	910131
Part B Recv Date:	910212
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYH0127674
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2000
Trans1 Recv Date:	07/13/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PW8913
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0153108
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/26/2000
Trans1 Recv Date:	10/26/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/26/2000
Part A Recv Date:	Not reported

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

Document ID: NYH0152127
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/19/2000
Trans1 Recv Date: 10/19/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/19/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

Document ID: NJA0229734
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 860922
Trans1 Recv Date: 860922
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860923
Part A Recv Date: 860929
Part B Recv Date: 860930
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00115
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 86

Document ID: NJA0271998
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880620
Trans1 Recv Date: 880620
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880621
Part A Recv Date: 880628
Part B Recv Date: 880701
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00120
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 88

Document ID: NJA0297475
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880907
Trans1 Recv Date: 880907
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880907
Part A Recv Date: 880913
Part B Recv Date: 880913
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88

Document ID: NYB8311671
Manifest Status: Completed copy
Trans1 State ID: PD9938

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 State ID:	Not reported
Generator Ship Date:	961206
Trans1 Recv Date:	961206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961206
Part A Recv Date:	961230
Part B Recv Date:	961224
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	089
Year:	96

Document ID:	NYG0359217
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	03/04/1998
Trans1 Recv Date:	03/04/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/04/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NYH0371439
Manifest Status:	Not reported
Trans1 State ID:	62096PA
Trans2 State ID:	Not reported
Generator Ship Date:	07/12/2004
Trans1 Recv Date:	07/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/12/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 EPA ID: Not reported
TSDF ID: NYD082785
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYH0479835
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 01/11/2005
Trans1 Recv Date: 01/11/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/11/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD045440997
Trans1 EPA ID: 70600JR
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported

Document ID: NJA0139770
Manifest Status: Completed copy
Trans1 State ID: S-10339
Trans2 State ID: Not reported
Generator Ship Date: 860623
Trans1 Recv Date: 860623
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860623
Part A Recv Date: 860701
Part B Recv Date: 860701
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00135
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Year: 86

Document ID: NJA0288027
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 870505
Trans1 Recv Date: 870505
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870505
Part A Recv Date: 870507
Part B Recv Date: 870512
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00140
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NJA0253789
Manifest Status: Completed copy
Trans1 State ID: DECAL#990
Trans2 State ID: Not reported
Generator Ship Date: 861203
Trans1 Recv Date: 861203
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861204
Part A Recv Date: 861209
Part B Recv Date: 861210
Generator EPA ID: NYD045440997
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 86

Document ID: NJA1009739
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900619
Trans1 Recv Date: 900619

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900619
Part A Recv Date:	900817
Part B Recv Date:	900627
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYG0021375
Manifest Status:	Completed copy
Trans1 State ID:	14467AK
Trans2 State ID:	Not reported
Generator Ship Date:	970318
Trans1 Recv Date:	970318
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970318
Part A Recv Date:	970325
Part B Recv Date:	970327
Generator EPA ID:	NYD045440997
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	089
Year:	97

Click this hyperlink while viewing on your computer to access
24 additional NY_MANIFEST: record(s) in the EDR Site Report.

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110012644193
Plant name:	SUBACCHI FURNITYRE-46-24 28TH ST
Plant address:	46-24 28TH STREET LONG ISLAND CITY, NY 11101
County:	QUEENS
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2499

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Sic code desc: WOOD PRODUCTS, NEC
North Am. industrial classf: Not reported
NAIC code description: Not reported
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204

SUBACCHI FURNITYRE-46-24 28TH ST (Continued) **1000144031**

Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

Y153 **MICHELANGELO SCULPTURE** **RCRA NonGen / NLR** **1004761796**
SSE **27-01 47TH AVE** **FINDS** **NYR000090498**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.218 mi.
1151 ft. **Site 3 of 3 in cluster Y**

Relative:
Lower

Actual:
12 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: MICHELANGELO SCULPTURE
Facility address: 27-01 47TH AVE
LONG ISLAND CITY, NY 11101
EPA ID: NYR000090498
Mailing address: PRINCE ST
NEW YORK, NY 11012
Contact: DOMENICO RANIERI
Contact address: PRINCE ST
NEW YORK, NY 11012
Contact country: US
Contact telephone: (212) 982-5150
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DOMENICO RANIERI
Owner/operator address: 55 PRINCE ST
NEW YORK, NY 11012
Owner/operator country: US
Owner/operator telephone: (212) 982-5150
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: DOMENICO RANIERI
Owner/operator address: 55 PRINCE ST
NEW YORK, NY 11012
Owner/operator country: US
Owner/operator telephone: (212) 982-5150
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

MICHELANGELO SCULPTURE (Continued) **1004761796**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MICHELANGELO SCULPTURE
Classification: Not a generator, verified

Date form received by agency: 10/13/2000
Facility name: MICHELANGELO SCULPTURE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004565015

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000090498
Country: USA
Mailing Name: MICHELANGELO SCULPTURE
Mailing Contact: DOMENICO KANIERI
Mailing Address: 27-01 47TH AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-982-5150

MICHELANGELO SCULPTURE (Continued) **1004761796**

Document ID:	NYG1812807
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	10/20/2000
Trans1 Recv Date:	10/20/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/23/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000090498
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00450
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	080
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Z154 **MID TOWN OPERATING COMPANY TTF** **NY LTANKS** **S110140580**
NNW **42-50 24TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
0.222 mi.
1170 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	424084
Spill Number/Closed Date:	0911288 / 1/21/2010
Spill Date:	1/20/2010
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/20/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/20/2010

MID TOWN OPERATING COMPANY TTF (Continued) **S110140580**

Spill Record Last Update:	1/21/2010
Spiller Name:	RON SHERMAN
Spiller Company:	MID TOWN OPERATING COMPANY
Spiller Address:	42-50 24TH ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	999
Spiller Contact:	SHAWN KERRIGAN
Spiller Phone:	(610) 278-7203
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	373035
DEC Memo:	1/21/2010 Sangesland spoke to Shawn at Crompco. He said the tank failed a test yesterday and a spill report was called in. Today they isolated the tank and retested. He said the tank passed, but the "suction line inside the tank" failed. Sangesland asked Shawn to call back and talk directly to Jake Krimgold to determine if this can be closed out.1/21/10. J.Krimgold spoke to Shawn from Crompco. Agreed that the failure of the suction line inside the tank could not lead to a release. Case closed.
Remarks:	TANK TEST FAILURE ON A 4000 GALLON UST

Material:

Site ID:	424084
Operable Unit ID:	1179879
Operable Unit:	01
Material ID:	2173702
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AA155 **CITY SPORTS & GRAPHIC** **RCRA NonGen / NLR** **1000990064**
WSW **45-12 DAVIS ST** **FINDS** **NYR000000232**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.224 mi.
1182 ft. **Site 1 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CITY SPORTS & GRAPHIC
Facility address:	45-12 DAVIS ST LONG ISLAND CITY, NY 111014306
EPA ID:	NYR000000232
Mailing address:	DAVIS ST LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	DAVIS ST LONG ISLAND CITY, NY 11101
Contact country:	US

CITY SPORTS & GRAPHIC (Continued) **1000990064**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HYUNG HO KIM
Owner/operator address: 45-12 DAVIS ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-5240
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HYUNG HO KIM
Owner/operator address: 45-12 DAVIS ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 361-5240
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CITY SPORTS & GRAPHIC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: CITY SPORTS & GRAPHIC
Classification: Not a generator, verified

Date form received by agency: 02/22/1995
Facility name: CITY SPORTS & GRAPHIC

CITY SPORTS & GRAPHIC (Continued) **1000990064**

Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004511252

Environmental Interest/Information System
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AB156 **NYCT - FLUSHING AVENUE LINE (#7 LINE)** **RCRA-CESQG** **1005417217**
WSW **DAVIS & 23RD ST** **FINDS** **NYR000103416**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.224 mi.
1184 ft. **Site 1 of 2 in cluster AB**

Relative:
Lower

Actual:
12 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: NYCT - FLUSHING AVENUE LINE (#7 LINE)
Facility address: DAVIS & 23RD ST
LONG ISLAND CITY, NY 11101
EPA ID: NYR000103416
Mailing address: 370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
Contact: JOSEPHINE F BROWN
Contact address: 370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
Contact country: US
Contact telephone: (718) 243-4581
Contact email: JOBROWN4@NYCT.COM
EPA Region: 02
Land type: State
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1953
Owner/Op end date:	Not reported

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	2 BROADWAY 3RD FL
	NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	(646) 252-3500
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Classification:	Small Quantity Generator

Date form received by agency:	02/09/2004
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Classification:	Large Quantity Generator

Date form received by agency:	01/17/2002
Facility name:	NYCT - FLUSHING AVENUE LINE (#7 LINE)
Site name:	MTA NYCT - FLUSHING LINE #7
Classification:	Large Quantity Generator

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Facility Has Received Notices of Violations:
- Regulation violated: SR - 371.1(f)(7)
- Area of violation: Listing - General
- Date violation determined: 01/24/2005
- Date achieved compliance: 05/23/2005
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 04/15/2005
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 01/24/2005
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Listing - General
- Date achieved compliance: 05/23/2005
- Evaluation lead agency: State

FINDS:

Registry ID: 110012193205

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
- EPA ID: NYR000103416
- Country: USA
- Mailing Name: NYC TR AUTHORITY CPM ENG
- Mailing Contact: ROY PARDEE JR.
- Mailing Address: 130 LIVINGSTON ST RM 8007
- Mailing Address 2: Not reported
- Mailing City: BROOKLYN
- Mailing State: NY
- Mailing Zip: 11201
- Mailing Zip4: Not reported
- Mailing Country: USA
- Mailing Phone: 718-694-1448

- Document ID: NYG3567303
- Manifest Status: Not reported
- Trans1 State ID: NYD077444263
- Trans2 State ID: Not reported

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Generator Ship Date:	12/24/2002
Trans1 Recv Date:	12/24/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	40579PANY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00030
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3329955
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2002
Trans1 Recv Date:	05/03/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/07/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01250
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3330009
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/08/2002
Trans1 Recv Date:	05/08/2002

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/10/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03000
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328461
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/08/2002
Trans1 Recv Date: 04/08/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/09/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3494178
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 09/20/2002
Trans1 Recv Date: 09/20/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/23/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1010NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Quantity:	07000
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3494241
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/2002
Trans1 Recv Date:	09/23/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1010NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	07000
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3388104
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/12/2002
Trans1 Recv Date:	06/12/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1011
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Document ID:	NYG3388203
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/2002
Trans1 Recv Date:	06/13/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/18/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02400
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3389859
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/28/2002
Trans1 Recv Date:	06/28/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3391623
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	08/06/2002
Trans1 Recv Date:	08/06/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/06/2002
Part A Recv Date:	Not reported

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: 68235AKNY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01500
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3391632
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 08/02/2002
Trans1 Recv Date: 08/02/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/06/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PP5193NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 02000
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328722
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/12/2002
Trans1 Recv Date: 04/12/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/17/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01200
Units: P - Pounds
Number of Containers: 003

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3388275
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 06/17/2002
Trans1 Recv Date: 06/17/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/18/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PP5193
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00650
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3330234
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 05/13/2002
Trans1 Recv Date: 05/13/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3331413
Manifest Status: Not reported
Trans1 State ID: NYD077444263

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 State ID:	Not reported
Generator Ship Date:	11/07/2002
Trans1 Recv Date:	11/07/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/08/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	40580PANY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03600
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3331485
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/30/2002
Trans1 Recv Date:	05/30/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/31/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02000
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG3564504
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	11/26/2002
Trans1 Recv Date:	11/26/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/27/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Trans2 EPA ID: Not reported
TSDF ID: 40579PANY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 02900
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3331674
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 06/03/2002
Trans1 Recv Date: 06/03/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/04/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: PD1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01500
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3328857
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 04/16/2002
Trans1 Recv Date: 04/16/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/17/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000103416
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 06000
Units: P - Pounds
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

NYCT - FLUSHING AVENUE LINE (#7 LINE) (Continued) **1005417217**

Year:	2002
Document ID:	NYG3328965
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	04/19/2002
Trans1 Recv Date:	04/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/23/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000103416
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02700
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Click this hyperlink while viewing on your computer to access
74 additional NY_MANIFEST: record(s) in the EDR Site Report.

AB157 **MTA NYCT - COURT HOUSE SQ STA 45TH ROAD** **RCRA NonGen / NLR** **1004762726**
WSW **JACKSON AVE & 23RD ST** **FINDS** **NYR000099846**
1/8-1/4 **LONG ISLAND CITY, NY** **NY MANIFEST**
0.224 mi.
1184 ft. **Site 2 of 2 in cluster AB**

Relative:
Lower

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Facility address:	JACKSON AVE & 23RD ST 7 LINE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000099846
Mailing address:	BROADWAY 2ND FL NEW YORK, NY 10004
Contact:	WILLIAM JEHLE
Contact address:	BROADWAY 2ND FL NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3500
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	2 BROADWAY 2ND FL

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 2ND FL
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Classification: Not a generator, verified

Date form received by agency: 08/13/2001
Facility name: MTA NYCT - COURT HOUSE SQ STA 45TH ROAD
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012235401

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

NY MANIFEST:

EPA ID:	NYR000099846
Country:	USA
Mailing Name:	NEW YORK CITY TRANSIT
Mailing Contact:	DERRICK MILLS
Mailing Address:	2 BROADWAY
Mailing Address 2:	ROOM A27.64
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10004
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	646-252-3500

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	2010-02-05
Trans1 Recv Date:	2010-02-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-02-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404900JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-28
Trans1 Recv Date:	2011-10-28

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1000.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000423270WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	220.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	440.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	55.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-10-09
Trans1 Recv Date:	2012-10-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	008921406JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Mgmt Method Type Code: H111

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2012-10-09
Trans1 Recv Date: 2012-10-09
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-10-09
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000099846
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 60.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 008921406JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD046765574
Trans2 State ID: Not reported
Generator Ship Date: 2009-09-23
Trans1 Recv Date: 2009-09-23
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2009-09-23
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000099846
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 4.0

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000195120WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2010-11-30
Trans1 Recv Date:	2010-11-30
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-11-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000201878WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Trans2 State ID:	NYD986908085
Generator Ship Date:	2010-04-13
Trans1 Recv Date:	2010-04-13
Trans2 Recv Date:	2010-04-21
TSD Site Recv Date:	2010-04-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404361JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	2010-02-05
Trans1 Recv Date:	2010-02-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-02-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003404900JJK
Import Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	55.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	220.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-20
Trans1 Recv Date:	2012-04-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	440.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003635402JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	NYG2972979
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	09/28/2001
Trans1 Recv Date:	09/28/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/18/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	0440465ME
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00800
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2008-10-10
Trans1 Recv Date:	2008-10-10
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-10-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000099846
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1200.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000196588WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

MTA NYCT - COURT HOUSE SQ STA 45TH ROAD (Continued) **1004762726**

Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

AA158 **EDR US Hist Auto Stat** **1015502450**
WSW **4506 DAVIS ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1187 ft. **Site 2 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

EDR Historical Auto Stations:
Name: DAVIS ST AUTO REPAIR INC
Year: 2011
Address: 4506 DAVIS ST

Name: DAVIS ST AUTO REPAIR INC
Year: 2012
Address: 4506 DAVIS ST

AC159 **STANDARD FINISHING CO INC** **RCRA NonGen / NLR** **1001119285**
NW **43-10 23RD ST 2ND FLOOR** **NY MANIFEST** **NYR000025726**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **US AIRS**
0.225 mi.
1190 ft. **Site 1 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: STANDARD FINISHING CO INC
Facility address: 43-10 23RD ST 2ND FLOOR
LAT 4045 LONG 7356
LONG ISLAND CITY, NY 11101
EPA ID: NYR000025726
Mailing address: 23RD ST 2ND FLOOR
LAT 4045 LONG 7356
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 23RD ST 2ND FLOOR
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HOWARD HALPERN
Owner/operator address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-4700
Legal status: Private

STANDARD FINISHING CO INC (Continued) **1001119285**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HOWARD HALPERN
Owner/operator address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 729-4700
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: STANDARD FINISHING CO INC
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Facility name: STANDARD FINISHING CO INC
Classification: Small Quantity Generator

Date form received by agency: 06/18/1996
Facility name: STANDARD FINISHING CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000025726
Country: USA
Mailing Name: STANDARD FINISHING CO INC
Mailing Contact: HOWARD HALPERN
Mailing Address: 43-10 23RD STREET 2ND FLOOR
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported

STANDARD FINISHING CO INC (Continued) **1001119285**

Mailing Country: USA
Mailing Phone: 718-729-4700

Document ID: NJA2606604
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 2809
Trans2 State ID: Not reported
Generator Ship Date: 960625
Trans1 Recv Date: 960625
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960625
Part A Recv Date: 960715
Part B Recv Date: 960722
Generator EPA ID: NYR000025726
Trans1 EPA ID: NJD002454544
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00300
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00200
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Year: 96

Document ID: NYG0415098
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 03/10/1998
Trans1 Recv Date: 03/10/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/10/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000025726
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D001 - NON-LISTED IGNITABLE WASTES

STANDARD FINISHING CO INC (Continued) **1001119285**

Quantity: 00495
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NYG0582714
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 03/10/1998
Trans1 Recv Date: 03/10/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/10/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000025726
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYPD1010
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00030
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

AIRS (AFS):

Airs Minor Details:
EPA plant ID: 110001583091
Plant name: STANDARD FINISHING CO INC
Plant address: 43-10 23RD STREET
LONG ISLAND CITY, NY 11101
County: QUEENS
Region code: 02
Dunn & Bradst #: 001233048

STANDARD FINISHING CO INC (Continued) **1001119285**

Air quality cntrl region: 043
Sic code: 2641
Sic code desc: PAPER COATING AND GLAZING (DISC. 1987, 2671 OR 2672)
North Am. industrial classf: 322222
NAIC code description: Coated and Laminated Paper Manufacturing
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

STANDARD FINISHING CO INC (Continued) **1001119285**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

AC160 **GRUBER DISPLAY COMPANY** **RCRA NonGen / NLR** **1000162507**
NW **43-10 23RD ST** **FINDS** **NYD002021103**
1/8-1/4 **LONG ISLAND CITY, NY**
0.225 mi.
1190 ft. **Site 2 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: GRUBER DISPLAY CO INC
Facility address: 43-10 23RD ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD002021103
Mailing address: 23RD ST
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 23RD ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

GRUBER DISPLAY COMPANY (Continued) **1000162507**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: GRUBER DISPLAY CO INC
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: GRUBER DISPLAY CO INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/31/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009464454

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AC161 **KASSABIAN REALTY LLC** **NY AST** **U003388914**
NW **43-10 23RD ST** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1190 ft. **Site 3 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-283339
Program Type:	PBS
UTM X:	589162.42394999997
UTM Y:	4511490.3652600003
Expiration Date:	2017/07/14
Site Type:	Other

Affiliation Records:

Site Id:	12505
Affiliation Type:	Facility Owner
Company Name:	KASSABIAN REALTY LLC
Contact Type:	MANAGER
Contact Name:	LEON KASSABIAN
Address1:	43-10 23RD ST
Address2:	Not reported
City:	LONG ISLAND
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	3/27/2007

Site Id:	12505
Affiliation Type:	Mail Contact
Company Name:	KASSABIAN REALTY LLC
Contact Type:	Not reported
Contact Name:	VASKEN KASSABIAN
Address1:	43-10 23RD ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/1/2012

Site Id:	12505
Affiliation Type:	On-Site Operator
Company Name:	KASSABIAN REALTY LLC
Contact Type:	Not reported
Contact Name:	LEON KASSABIAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

KASSABIAN REALTY LLC (Continued) **U003388914**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 784-7800
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 12505
Affiliation Type: Emergency Contact
Company Name: KASSABIAN REALTY LLC
Contact Type: Not reported
Contact Name: LEON KASSABIAN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 784-7800
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank Id: 14891
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/15/1985
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported

KASSABIAN REALTY LLC (Continued) **U003388914**

Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/01/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-283339
SWIS Code:	6301
Operator:	VASKEN KASSABIAN
Facility Phone:	(718) 784-7800
Facility Addr2:	43010 23RD ST
Facility Type:	MANUFACTURING
Emergency:	VASKEN KASSABIAN
Emergency Tel:	(718) 784-7800
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	KASSABIAN REALTY CO
Owner Address:	43-10 23RD ST
Owner City,St,Zip:	LONG ISLAND, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 784-7800
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	VASKEN KASSABIAN
Mailing Name:	KASSABIAN REALTY LLC
Mailing Address:	43-10 23RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 784-7800
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/07/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000

KASSABIAN REALTY LLC (Continued) **U003388914**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AC162 **IDEAL LABEL INC** **RCRA-CESQG 1001405121**
NW **43-10 23RD ST 2ND FLOOR** **NY MANIFEST NYR000065680**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.225 mi.
1190 ft. **Site 4 of 4 in cluster AC**

Relative:
Higher

Actual:
16 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	IDEAL LABEL INC
Facility address:	43-10 23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000065680
Mailing address:	23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
Contact:	HERBERT BOOKBINDER
Contact address:	23RD ST 2ND FLOOR FRONT OFFICE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 729-8844
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

IDEAL LABEL INC (Continued) **1001405121**

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: LARRY LASSABIAN
Owner/operator address: 43-10 23RD ST 1ST FLOOR
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7800
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LARRY LASSABIAN
Owner/operator address: 43-10 23RD ST 1ST FLOOR
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7800
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: IDEAL LABEL INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/06/1999
Facility name: IDEAL LABEL INC
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP000862714
Country: USA
Mailing Name: ECLADOR INTERNATIONAL CORPORATION

IDEAL LABEL INC (Continued) **1001405121**

Mailing Contact:	ECLADOR INTERNATIONAL CORPORATION
Mailing Address:	43-10 23RD STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLANDCITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-0900

Document ID:	NYH0060435
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	12/21/1999
Trans1 Recv Date:	12/21/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0139932
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2000
Trans1 Recv Date:	10/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/19/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

IDEAL LABEL INC (Continued) **1001405121**

Document ID:	NYG1192284
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/1999
Trans1 Recv Date:	05/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0427752
Manifest Status:	Not reported
Trans1 State ID:	62096PA
Trans2 State ID:	Not reported
Generator Ship Date:	06/01/2004
Trans1 Recv Date:	06/01/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/01/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYH0507024
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2005
Trans1 Recv Date:	10/17/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2005
Part A Recv Date:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported

Document ID: NYH0306828
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 08/19/2002
Trans1 Recv Date: 08/19/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/19/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 23138PA
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYH0507024
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/17/2005
Trans1 Recv Date: 10/17/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/17/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002

IDEAL LABEL INC (Continued) **1001405121**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2005

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2009-10-21
Trans1 Recv Date:	2009-10-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-10-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002495049FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

IDEAL LABEL INC (Continued) **1001405121**

Document ID:	NYH0223452
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2001
Trans1 Recv Date:	10/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/24/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYH0343557
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/12/2003
Trans1 Recv Date:	05/12/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/12/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	23138PA
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2003

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

IDEAL LABEL INC (Continued) **1001405121**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYR000065680
Country:	USA
Mailing Name:	IDEAL LABEL INC
Mailing Contact:	NORA USSEGLIO
Mailing Address:	43-10 23RD ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	516-729-8844

Document ID:	NYH0060435
Manifest Status:	Not reported

IDEAL LABEL INC (Continued) **1001405121**

Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	12/21/1999
Trans1 Recv Date:	12/21/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYH0139932
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2000
Trans1 Recv Date:	10/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/19/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYG1192284
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/1999
Trans1 Recv Date:	05/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680

IDEAL LABEL INC (Continued) **1001405121**

Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYH0427752
Manifest Status: Not reported
Trans1 State ID: 62096PA
Trans2 State ID: Not reported
Generator Ship Date: 06/01/2004
Trans1 Recv Date: 06/01/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/01/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYH0507024
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 10/17/2005
Trans1 Recv Date: 10/17/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/17/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: 62096PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.

IDEAL LABEL INC (Continued) **1001405121**

Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYH0306828
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	08/19/2002
Trans1 Recv Date:	08/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/19/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	23138PA
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYH0507024
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2005
Trans1 Recv Date:	10/17/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	62096PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2005

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22

IDEAL LABEL INC (Continued) **1001405121**

Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2009-10-21
Trans1 Recv Date:	2009-10-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-10-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002495049FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

IDEAL LABEL INC (Continued) **1001405121**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	PAD982661381
Generator Ship Date:	2012-02-10
Trans1 Recv Date:	2012-02-10
Trans2 Recv Date:	2012-02-10
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	NYH0223452
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2001
Trans1 Recv Date:	10/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/24/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680

IDEAL LABEL INC (Continued) **1001405121**

Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2001

Document ID: NYH0343557
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 05/12/2003
Trans1 Recv Date: 05/12/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/12/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 23138PA
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2003

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: PAD982661381
Generator Ship Date: 2012-02-10
Trans1 Recv Date: 2012-02-10
Trans2 Recv Date: 2012-02-10
TSD Site Recv Date: 2012-02-17
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000065680
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID040098352
Waste Code: Not reported
Quantity: 110.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 2.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.

IDEAL LABEL INC (Continued) **1001405121**

Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005154976FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22
Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-22

IDEAL LABEL INC (Continued) **1001405121**

Trans1 Recv Date:	2008-02-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000065680
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	110.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001028366FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AA163 **EDR US Hist Auto Stat** **1015504743**
SW **4557 DAVIS ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.226 mi.
1195 ft. **Site 3 of 3 in cluster AA**

Relative:
Lower

Actual:
9 ft.

EDR Historical Auto Stations:

Name:	BELLO LONG ISLAND CITY AUTO REPAIR INCORPORATED
Year:	1999
Address:	4557 DAVIS ST
Name:	BELLO LONG ISLAND CITY AUTO REPAIR INCORPORATED
Year:	2000
Address:	4557 DAVIS ST

AD164 **SCRIPTO EVERGLIDE** **RCRA NonGen / NLR** **1000260925**
ESE **29-10 THOMSON AVE** **FINDS** **NYD981086416**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.228 mi.
1204 ft. **Site 1 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SCRIPTO EVERGLIDE
Facility address:	29-10 THOMSON AVE LONG ISLAND CITY, NY 11101

SCRIPTO EVERGLIDE (Continued) **1000260925**

EPA ID: NYD981086416
Mailing address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: THOMSON AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SCRIPTO EVERGLIDE
Classification: Not a generator, verified

SCRIPTO EVERGLIDE (Continued) **1000260925**

Date form received by agency: 07/08/1999
Facility name: SCRIPTO EVERGLIDE
Classification: Not a generator, verified

Date form received by agency: 05/30/1985
Facility name: SCRIPTO EVERGLIDE
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/27/1984
Date achieved compliance: 05/29/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/29/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110009471687

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AD165 **LAGUARDIA COMMUNITY COLLEGE** **RCRA-CESQG** **1001090143**
ESE **29-10 THOMSON AVE** **NY MANIFEST** **NYR000019760**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY Spills**
0.228 mi.
1204 ft. **Site 2 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA-CESQG:

Date form received by agency:	02/01/2012
Facility name:	LAGUARDIA COMMUNITY COLLEGE
Facility address:	29-10 THOMSON AVE LONG ISLAND CITY, NY 11101
EPA ID:	NYR000019760
Mailing address:	THOMSON AVE LONG ISLAND CITY, NY 11101
Contact:	PETER JAYASEKARA
Contact address:	THOMSON AVE LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 482-5507
Contact email:	PJAYASEK@LAGCC.CUNY.EDU
EPA Region:	02
Land type:	Municipal
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	LAGUARDIA COMMUNITY COLLEGE
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	08/26/1998
Owner/Op end date:	Not reported

Owner/operator name:	CITY UNIVERSITY OF NEW YORK
Owner/operator address:	E 80TH ST NEW YORK, NY 10021
Owner/operator country:	US
Owner/operator telephone:	(212) 794-5735
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	08/26/1998
Owner/Op end date:	Not reported

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Not a generator, verified

Date form received by agency: 02/14/1996
Facility name: LAGUARDIA COMMUNITY COLLEGE
Site name: NYC LAGUARDIA COMMUNITY COLLEGE
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Waste code: D005
Waste name: BARIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: B001
Waste name: B001

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/10/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:
EPA ID: NYD001726496
Country: USA
Mailing Name: SCRIPTO EVERGLIDE INCORPORATED
Mailing Contact: STANLEY KLEIN
Mailing Address: 29-10 THOMSON AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-784-7191

Document ID: NYB7595055
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 7946
Trans2 State ID: Not reported
Generator Ship Date: 960515
Trans1 Recv Date: 960515
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960520
Part A Recv Date: 960528
Part B Recv Date: 960614
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03100
Units: P - Pounds
Number of Containers: 031
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7595883
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945MN
Trans2 State ID: Not reported
Generator Ship Date: 960417
Trans1 Recv Date: 960417
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960422
Part A Recv Date: 960503
Part B Recv Date: 960523
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 02944
Units: P - Pounds
Number of Containers: 031
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00030
Units: P - Pounds
Number of Containers: 001
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Year: 96

Document ID: NYB7214283
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960619
Trans1 Recv Date: 960619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960621
Part A Recv Date: 960703
Part B Recv Date: 960725
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00180
Units: P - Pounds
Number of Containers: 006
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7597926
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960321
Trans1 Recv Date: 960321
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960325
Part A Recv Date: 960401
Part B Recv Date: 960417
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 036
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Document ID:	NYG2530881
Manifest Status:	Not reported
Trans1 State ID:	WID988566543
Trans2 State ID:	Not reported
Generator Ship Date:	09/19/2000
Trans1 Recv Date:	09/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/25/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	AZ0000337360
Trans2 EPA ID:	Not reported
TSDF ID:	WI010
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00545
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00424
Units:	P - Pounds
Number of Containers:	015
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2000

EPA ID:	NYR000019760
Country:	USA
Mailing Name:	LAGUARDIA COMMUNITY COLLEGE BLDG C
Mailing Contact:	JOHN BLAKE
Mailing Address:	29-10 THOMSONAVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	914-681-6384

Document ID:	NYB7595055
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	7946
Trans2 State ID:	Not reported
Generator Ship Date:	960515
Trans1 Recv Date:	960515
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960520
Part A Recv Date:	960528
Part B Recv Date:	960614
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	03100
Units:	P - Pounds
Number of Containers:	031
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB7595883
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7945MN
Trans2 State ID:	Not reported
Generator Ship Date:	960417
Trans1 Recv Date:	960417
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960422
Part A Recv Date:	960503
Part B Recv Date:	960523
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	02944
Units:	P - Pounds
Number of Containers:	031
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB7214283
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7945
Trans2 State ID:	Not reported
Generator Ship Date:	960619
Trans1 Recv Date:	960619
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960621
Part A Recv Date:	960703
Part B Recv Date:	960725
Generator EPA ID:	NYR000019760
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00180
Units: P - Pounds
Number of Containers: 006
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB7597926
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 960321
Trans1 Recv Date: 960321
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960325
Part A Recv Date: 960401
Part B Recv Date: 960417
Generator EPA ID: NYR000019760
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03600
Units: P - Pounds
Number of Containers: 036
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYG2530881
Manifest Status: Not reported
Trans1 State ID: WID988566543
Trans2 State ID: Not reported
Generator Ship Date: 09/19/2000
Trans1 Recv Date: 09/19/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/25/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000019760
Trans1 EPA ID: AZ0000337360
Trans2 EPA ID: Not reported
TSDF ID: WI010
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00545
Units: P - Pounds

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00424
Units:	P - Pounds
Number of Containers:	015
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2000

SPILLS:

Facility ID:	1204466
DER Facility ID:	421726
Facility Type:	ER
Site ID:	467353
DEC Region:	2
Spill Date:	8/3/2012
Spill Number/Closed Date:	1204466 / 9/10/2012
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	8/3/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/3/2012
Spill Record Last Update:	9/10/2012
Spiller Name:	Not reported
Spiller Company:	LAGUARDIA COMMUNITY COLLEGE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	PETER JAYASEAARA
Contact Phone:	(347) 865-1291
DEC Memo:	8/6/12-Vought-Primary off-hours responder. Vought called Peter Jayaseaara (Ph:347-865-1291) and spoke to Joeseph who noted that that approximately 500 gallons of #2 fuel oil was released from a 200-gallon #2 fuel oil AST in a vault and that the oil was leaking out of secondary contaiment vault and was impacted a drain in the boiler room in sub-basement of LaGuardia Community College. Jayaseaara noted that FDNY Hazmat was on-scene and that he also called Triumvirate Inc (response company) and they were enroute to the site. Vought called RSE and DEC Demeo (secondary responder) who performed site visit. This spill assigned to Vought as Demeo not an option in UIS (as Demeo recently transferred). Spill to be

LAGUARDIA COMMUNITY COLLEGE (Continued) **1001090143**

transferred to Demeo upon availability in UIS.8/8/12-Vought-Spill transferred from Vought to DEC Demeo as now available as PM in UIS.8/4/12 TJDRecall - 2K AST for emergency generator leaked from supply piping feeding 100 gallon day tank on roof of structure. Leaking piping was uncapped return line inside secondary containment. Estimated 1500 gallons of diesel fuel leaked inside secondary containment. Containment vault was not tight - allowed product to migrate into adjoining sub-basement rooms. Building personnel shut power to affected areas of building which shut down transfer pump to rooftop day tank. Drainage trenches in basement had minor impacts due to migration of product - prior to DEC arrival absorbents were put in place to prevent further migration of product to sump pit. Facility owner retained Triumvirate Environmental for emergency cleanup - they responded with vac truck and recovered seperate phase product from tank vault and affected adjoining rooms. DEC required trenches and sump pit to be cleaned prior to putting sump pump back in service. Needs follow-up inspection.8/7/12 TJDSite inspection. DEC was contacted by Laguardia College EH&S personnel requesting reinspection as cleanup was reported to have been completed and required repairs had been made. At time of inspection, DEC met with EH&S Manager (Michael Spath from CUNY) and Triumvirate Environmental personnel. All required cleanup actions have been completed - affected concrete surfaces, trenches and sump pit have been degreased and pressure washed. Standing water in trenches and sump pit appear free of seperate phase product and sheen. DEC authorized EH&S staff to return sump pump to service. As per Laguardia College personnel, 2K AST is to remain out of service as a determination is made regarding the need for this tank. Required cleanup actions have been completed. Awaiting closure documentation.9/10/12 TJDFile review. All required closure documentation has been received. A total of 6 drums (contaminated absorbents) and 5,237 gallons of oil/water mixture were recovered and properly disposed of as part of remedial process. No further action is required. Spill closed.

Remarks: 2251 THE CALLER STATED A REPORT OF A LARGE SPILL WAS CAUSED BY A FAILED UNIT. WATER WAS IMPACTED. THE SPILL IS NOT CONTAINED. THE CLEAN UP IS PENDING THE CALLERS ARRIVAL ON SCENE. THE CALLER WILL UPDATE NYSDEC UPON ARRIVAL.

Material:

Site ID:	467353
Operable Unit ID:	1217310
Operable Unit:	01
Material ID:	2215578
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	500
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AD166 **LAGUARDIA COMMUNITY COLLEGE** **NY AST** **A100294736**
ESE **29-10 THOMSON AVENUE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.228 mi.
1204 ft. **Site 3 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-609660
Program Type:	PBS
UTM X:	589698.54067999998
UTM Y:	4511012.1067199996
Expiration Date:	2015/04/13
Site Type:	School

Affiliation Records:

Site Id:	59011
Affiliation Type:	Mail Contact
Company Name:	LAGUARDIA COMMUNITY COLLEGE
Contact Type:	Not reported
Contact Name:	YURY FASTOVSKY
Address1:	31-10 THOMSON AVENUE
Address2:	ROOM MB 79
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 482-5582
EMail:	YFASTOVSKY@LAGCC.CUNY.EDU
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/1/2013

Site Id:	59011
Affiliation Type:	Emergency Contact
Company Name:	DASNY
Contact Type:	Not reported
Contact Name:	PUBLIC SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 482-5555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/3/2012

Site Id:	59011
Affiliation Type:	Facility Owner
Company Name:	DASNY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	515 BROADWAY, STE 100
Address2:	Not reported
City:	ALBANY

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

State: NY
Zip Code: 12207-2919
Country Code: 001
Phone: (518) 257-3000
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/3/2012

Site Id: 59011
Affiliation Type: On-Site Operator
Company Name: LAGUARDIA COMMUNITY COLLEGE
Contact Type: Not reported
Contact Name: YURY FASTOVSKY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 482-5582
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/1/2013

Tank Info:

Tank Number: C1
Tank Id: 179577
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - In Place
Pipe Model: Not reported
Install Date: 01/01/1972
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 09/27/2013

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/01/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	C2
Tank Id:	179578
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	01/01/1972
Capacity Gallons:	15000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/27/2013
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/01/2013
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	C3
Tank Id:	179579
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

LAGUARDIA COMMUNITY COLLEGE (Continued) **A100294736**

F01 - Pipe External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/03/2012
Material Name:	Diesel

Tank Number:	C4
Tank Id:	179603
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/03/2012
Material Name:	Diesel

AD167 **BURNHAM PRODUCTS CORP** **RCRA NonGen / NLR** **1000315395**
ESE **42-24 ORCHARD ST** **FINDS** **NYD001726496**
1/8-1/4 **LONG ISLAND CITY, NY**
0.228 mi.
1204 ft. **Site 4 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BURNHAM PRODUCTS CORP
Facility address:	42-24 ORCHARD ST LONG ISLAND CITY, NY 11101
EPA ID:	NYD001726496
Mailing address:	ORCHARD ST LONG ISLAND CITY, NY 11101
Contact:	MURRAY BORENSTEIN
Contact address:	ORCHARD ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-7191
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SCRIPTO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SCRIPTO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

BURNHAM PRODUCTS CORP (Continued) **1000315395**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BURNHAM PRODUCTS CORP
Classification: Not a generator, verified

Date form received by agency: 03/12/1981
Facility name: BURNHAM PRODUCTS CORP
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009464409

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AE168 **OUTLET CITY INC** **RCRA-CESQG** **1000546989**
ENE **42-16 WEST ST** **FINDS** **NYD053174041**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **NY LTANKS**
0.230 mi. **NY MANIFEST**
1216 ft. **Site 1 of 2 in cluster AE** **NY Spills**

Relative: Higher

Actual: 16 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: OUTLET CITY INC
Facility address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD053174041
Mailing address: WEST ST
LONG ISLAND CITY, NY 11101
Contact: Not reported

OUTLET CITY INC (Continued) **1000546989**

Contact address: WEST ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: OUTLET CITY INC
Owner/operator address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 786-4500
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OUTLET CITY INC
Owner/operator address: 42-16 WEST ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 786-4500
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

OUTLET CITY INC (Continued) **1000546989**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: OUTLET CITY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2001
Facility name: OUTLET CITY INC
Site name: AKRF-MODELL'S OUTLET CITY, INC.
Classification: Large Quantity Generator

Date form received by agency: 07/14/1999
Facility name: OUTLET CITY INC
Classification: Small Quantity Generator

Date form received by agency: 07/16/1997
Facility name: OUTLET CITY INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 07/19/2000
Date achieved compliance: 10/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/01/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 10/16/2000
Evaluation lead agency: State

FINDS:

Registry ID: 110009467166

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

OUTLET CITY INC (Continued) **1000546989**

LTANKS:

Site ID:	254707
Spill Number/Closed Date:	9600688 / 5/27/2003
Spill Date:	3/26/1996
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/15/1996
CID:	365
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/15/1996
Spill Record Last Update:	4/8/2004
Spiller Name:	D. ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller County:	001
Spiller Contact:	R. PIERCE
Spiller Phone:	(201) 621-2230
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208621
DEC Memo:	Not reported
Remarks:	Contaminated water soil and groundwater were found during site assessment.

Material:

Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354084
Material Code:	0059A
Material Name:	SOLVENTS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354083
Material Code:	0057A

OUTLET CITY INC (Continued) **1000546989**

Material Name:	PESTICIDES
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354081
Material Code:	0018A
Material Name:	TAR
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254707
Operable Unit ID:	1028363
Operable Unit:	01
Material ID:	354082
Material Code:	0056A
Material Name:	PAINT THINNERS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYD053174041
Country:	USA
Mailing Name:	OUTLET CITY INC
Mailing Contact:	SHARON
Mailing Address:	42-16 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-786-4500

Document ID:	NJA2758094
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPES58

OUTLET CITY INC (Continued) **1000546989**

Trans2 State ID:	Not reported
Generator Ship Date:	970627
Trans1 Recv Date:	970627
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970627
Part A Recv Date:	980317
Part B Recv Date:	980414
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D026 - CRESOL 200.0 MG/L TCLP
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7496208
Manifest Status:	Not reported
Trans1 State ID:	NYD980592570
Trans2 State ID:	NJD054126164
Generator Ship Date:	09/28/2000
Trans1 Recv Date:	09/28/2000
Trans2 Recv Date:	10/04/2000
TSD Site Recv Date:	10/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	OHD066060609
Trans2 EPA ID:	Not reported
TSDF ID:	14887AD
Waste Code:	D026 - CRESOL 200.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.10
Year:	2000

Document ID:	NJA1471371
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS699
Trans2 State ID:	Not reported
Generator Ship Date:	920618
Trans1 Recv Date:	920618
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920618
Part A Recv Date:	Not reported
Part B Recv Date:	920703
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJD980772768

OUTLET CITY INC (Continued) **1000546989**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03300
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	NYG0827694
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	31124MA
Trans2 State ID:	0027402
Generator Ship Date:	971217
Trans1 Recv Date:	971217
Trans2 Recv Date:	971219
TSD Site Recv Date:	971229
Part A Recv Date:	980108
Part B Recv Date:	980127
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	CTD982191942
TSDF ID:	OHD980681571
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	120
Year:	97

Document ID:	NJA3128296
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	06/07/1999
Trans1 Recv Date:	06/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD053174041
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S6993

OUTLET CITY INC (Continued) **1000546989**

Waste Code:	U051 - CREOSOTE
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

SPILLS:

Facility ID:	0301857
DER Facility ID:	208621
Facility Type:	ER
Site ID:	254706
DEC Region:	2
Spill Date:	5/21/2003
Spill Number/Closed Date:	0301857 / 5/27/2003
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	5/21/2003
CID:	205
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/21/2003
Spill Record Last Update:	5/27/2003
Spiller Name:	D. ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DEC / ANTHONY SIGONA ON SITE

Material:

Site ID:	254706
Operable Unit ID:	869876
Operable Unit:	01
Material ID:	506343
Material Code:	0180A
Material Name:	CREOSOTE
Case No.:	08001589
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons

OUTLET CITY INC (Continued) **1000546989**

Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	254706
Operable Unit ID:	869876
Operable Unit:	01
Material ID:	506342
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9813882
DER Facility ID:	208621
Facility Type:	ER
Site ID:	308118
DEC Region:	2
Spill Date:	10/1/1998
Spill Number/Closed Date:	9813882 / 7/22/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4101
Investigator:	EXHAMPST
Referred To:	Not reported
Reported to Dept:	2/16/1999
CID:	366
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/16/1999
Spill Record Last Update:	7/22/2005
Spiller Name:	DAVID A ROTH
Spiller Company:	OUTLET CITY
Spiller Address:	42-16 WEST ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	MARCUS SIMMONS
Contact Phone:	(212) 696-0670
DEC Memo:	7/22/05, Hampston: See also 9600688, 0301857. Site under VCA V00081 and listed as P site (2-41-020). UST removal as part of VCA in 2003. Site investigation/assessment continuing under VCA.
Remarks:	CALLER REPORTING THAT DURING SITE INVESTIGATION, MULTIPLE TYPES OF

OUTLET CITY INC (Continued) **1000546989**

HAZARDOUS MATERIALS WERE FOUND IN SOIL SAMPLES. REQ DEC FOLLOW UP.

Material:
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310593
Material Code: 0056A
Material Name: PAINT THINNERS
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310590
Material Code: 0018A
Material Name: TAR
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310592
Material Code: 0036B
Material Name: CARBOLIC ACID
Case No.: 00108952
Material FA: Hazardous Material
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 308118
Operable Unit ID: 1074608
Operable Unit: 01
Material ID: 310594
Material Code: 0057A
Material Name: PESTICIDES
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AE169 **OUTLET CITY INC** **NY UST** **U001836097**
ENE **42-16 WEST ST** **NY HIST UST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.230 mi.
1216 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
16 ft.

UST:

Id/Status:	2-237981 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589662.85900000005
UTM Y:	4511385.9358099997
Site Type:	Unknown

Affiliation Records:

Site Id:	8894
Affiliation Type:	Facility Owner
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-16 WEST ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(728) 786-4580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	Mail Contact
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	JOSEPH CONLEY
Address1:	42-16 WEST ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-4500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	On-Site Operator
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	NINO TASSI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

OUTLET CITY INC (Continued) **U001836097**

Zip Code:	Not reported
Country Code:	001
Phone:	(728) 786-4580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8894
Affiliation Type:	Emergency Contact
Company Name:	OUTLET CITY INC
Contact Type:	Not reported
Contact Name:	JOSEPH CONLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 286-4588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	17346
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	7500
Install Date:	Not reported
Date Tank Closed:	08/01/1989
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

OUTLET CITY INC (Continued) **U001836097**

Tank Number: 002
Tank ID: 17347
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 7500
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

Tank Number: 003
Tank ID: 17348
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 10000
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping

OUTLET CITY INC (Continued) **U001836097**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 004
Tank ID: 17349
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 10000
Install Date: Not reported
Date Tank Closed: 08/01/1989
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

HIST UST:
PBS Number: 2-237981
SPDES Number: Not reported
Emergency Contact: JOSEPH CONLEY
Emergency Telephone: (718) 286-4588
Operator: NINO TASSI
Operator Telephone: (728) 786-4580
Owner Name: OUTLET CITY INC
Owner Address: 42-16 WEST ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (728) 786-4580
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: OUTLET CITY INC
Mailing Address: 42-16 WEST ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: JOSEPH CONLEY
Mailing Telephone: (718) 786-4500
Owner Mark: First Owner

OUTLET CITY INC (Continued) **U001836097**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	42016 WEST ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/20/1987
Expiration Date:	07/20/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place

OUTLET CITY INC (Continued) **U001836097**

Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

OUTLET CITY INC (Continued) **U001836097**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

170
WNW
1/8-1/4
0.231 mi.
1221 ft.

GANDER & WHITE SHIPPING, INC. **NY UST** **U003065874**
21-44 44TH ROAD **NY HIST UST** **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-600010 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	588933.14479000005
UTM Y:	4511402.4546499997
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	22000
Affiliation Type:	Facility Owner
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	21-44 44TH RD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	Mail Contact
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Contact Name:	PAUL CANNON
Address1:	21-44 44TH ROAD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	On-Site Operator
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	PAUL CANNON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22000
Affiliation Type:	Emergency Contact
Company Name:	GANDER & WHITE SHIPPING, INC.
Contact Type:	Not reported
Contact Name:	PAUL CANNON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 784-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	39946
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	11/18/2002
Registered:	True

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 06/01/1998
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

HIST UST:
PBS Number: 2-600010
SPDES Number: Not reported
Emergency Contact: PAUL CANNON
Emergency Telephone: (718) 784-8444
Operator: PAUL CANNON
Operator Telephone: (718) 784-8444
Owner Name: GANDER & WHITE SHIPPING, INC.
Owner Address: 21-44 44TH RD
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 784-8444
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GANDER & WHITE SHIPPING, INC.
Mailing Address: 21-44 44TH RD
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: PAUL CANNON
Mailing Telephone: (718) 784-8444
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: Not reported
SWIS ID: 6301
Old PBS Number: Not reported
Facility Type: TRUCKING/TRANSPORTATION
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 01/04/1996
Expiration Date: 03/13/2001

GANDER & WHITE SHIPPING, INC. (Continued) **U003065874**

Renew Flag:	False
Renewal Date:	11/13/2001
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1998
Next Test Date:	06/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

AF171 **23-10 43TH AVE** **NY AST** **U003385771**
NNW **23-10 43TH AVE** **NY HIST AST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.231 mi.
1222 ft. **Site 1 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158623
Program Type:	PBS
UTM X:	589184.83565999998
UTM Y:	4511487.3042900003
Expiration Date:	2018/02/03
Site Type:	Apartment Building/Office Building

Affiliation Records:

23-10 43TH AVE (Continued) **U003385771**

Site Id:	5319
Affiliation Type:	Facility Owner
Company Name:	LONG ISLAND CITY CENTER, LLC
Contact Type:	DIRECTOR OF SUSTAINABILITY
Contact Name:	ROBERT SALVATORE
Address1:	1212 AVENUE OF THE AMERICAS (C/O STAWKI PARTNERS)
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 697-8601
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	Mail Contact
Company Name:	SUN GARD AVAILABILITY SERVICES
Contact Type:	Not reported
Contact Name:	GLENN GORLICH
Address1:	777 CENTRAL BOULEVARD
Address2:	Not reported
City:	CARLSTADT
State:	NJ
Zip Code:	07072
Country Code:	001
Phone:	(201) 729-2422
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	On-Site Operator
Company Name:	SUN GARD AVAILABILITY SERVICES
Contact Type:	Not reported
Contact Name:	PETER CECERE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 391-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Site Id:	5319
Affiliation Type:	Emergency Contact
Company Name:	LONG ISLAND CITY CENTER, LLC
Contact Type:	Not reported
Contact Name:	SHARON REICHOLD
Address1:	Not reported

23-10 43TH AVE (Continued) **U003385771**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 391-4181
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	3/7/2013

Tank Info:

Tank Number:	TANK1
Tank Id:	8530
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

E01 - Piping Secondary Containment - Diking (Aboveground)
J07 - Dispenser - Loading Rack/Transfer Pump
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	TANK2
Tank Id:	219000
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating

23-10 43TH AVE (Continued) **U003385771**

J03 - Dispenser - Gravity
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	330
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	TANK3
Tank Id:	219001
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/16/2001
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	03/07/2013

23-10 43TH AVE (Continued) **U003385771**

Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-158623
SWIS Code:	6301
Operator:	PETER CECERE
Facility Phone:	(718) 391-7000
Facility Addr2:	23010 43TH AVE
Facility Type:	OTHER
Emergency:	PETER CECERE
Emergency Tel:	(718) 391-7769
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	CORDISCO INC
Owner Address:	5851 WEST SIDE AVENUE
Owner City,St,Zip:	NORTH BERGEN, NJ 07047
Federal ID:	Not reported
Owner Tel:	(201) 295-4329
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MIKE DETORRES
Mailing Name:	CORDISCO INC
Mailing Address:	5851 WEST SIDE AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NORTH BERGEN, NJ 07047
Mailing Telephone:	(201) 869-8300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/04/2000
Expiration:	02/03/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0

23-10 43TH AVE (Continued) **U003385771**

Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Epoxy Liner
Pipe External:	00
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	6
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AF172 **EDR US Hist Auto Stat** **1015492607**
NNW **4309 23RD ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.233 mi.
1228 ft. **Site 2 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	JOE SAL AUTO BODY
Year:	2011
Address:	4309 23RD ST

AG173 **KRK EXPEDITING CO INC** **NY UST** **U000401652**
North **42-21 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.235 mi.
1241 ft. **Site 1 of 4 in cluster AG**

Relative:
Higher

Actual:
20 ft.

UST:

Id/Status:	2-303690 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	589406.43241999997
UTM Y:	4511553.7025699997
Site Type:	Unknown

Affiliation Records:

Site Id:	13811
Affiliation Type:	Facility Owner
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-21 CRESCENT ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101

KRK EXPEDITING CO INC (Continued) **U000401652**

Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	Mail Contact
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-21 CRESCENT ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	On-Site Operator
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	KRK EXPEDITING CO INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13811
Affiliation Type:	Emergency Contact
Company Name:	KRK EXPEDITING CO INC
Contact Type:	Not reported
Contact Name:	MR JOSEPH MCCARTHY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-7588
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

KRK EXPEDITING CO INC (Continued) **U000401652**

Tank Info:

Tank Number:	001
Tank ID:	16224
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	03/01/1980
Date Tank Closed:	09/01/1991
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

AF174 **MTA NYCT - COURT SQUARE EFA LINE** **RCRA NonGen / NLR** **1004762640**
NNW **23RD ST & 43RD RD** **FINDS** **NYR000098988**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.236 mi.
1246 ft. **Site 3 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - COURT SQUARE EFA LINE
Facility address:	23RD ST & 43RD RD LONG ISLAND CITY, NY 11101
EPA ID:	NYR000098988
Mailing address:	BROADWAY 3RD FLOOR NEW YORK, NY 10004
Contact:	WILLIAM JEHLE
Contact address:	BROADWAY 3RD FLOOR NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3500
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

MTA NYCT - COURT SQUARE EFA LINE (Continued) **1004762640**

Owner/Operator Summary:
Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 3RD FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - COURT SQUARE EFA LINE
Classification: Not a generator, verified

Date form received by agency: 07/13/2001
Facility name: MTA NYCT - COURT SQUARE EFA LINE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110007905017

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MTA NYCT - COURT SQUARE EFA LINE (Continued) **1004762640**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AD175 **INTERNATIONAL DESIGN CENTER** **NY MANIFEST** **S106866721**
ESE **29-10 THOMPSON AVENUE** **NY Spills** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.236 mi.
1248 ft. **Site 5 of 6 in cluster AD**

Relative:
Higher

Actual:
30 ft.

NY MANIFEST:

EPA ID:	NYD986904100
Country:	USA
Mailing Name:	INTERNATIONAL DESIGN CENTER
Mailing Contact:	JOHN WRIGHT
Mailing Address:	29-10 THOMPSON AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2459

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0412340
DER Facility ID:	273172
Facility Type:	ER
Site ID:	337831
DEC Region:	2
Spill Date:	2/18/2005
Spill Number/Closed Date:	0412340 / 5/16/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2/18/2005
CID:	408
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/2005
Spill Record Last Update:	2/22/2008
Spiller Name:	JURGIS NEMICKS

INTERNATIONAL DESIGN CENTER (Continued) **S106866721**

Spiller Company:	LAGUARDIA COLLEGE
Spiller Address:	2910 THOMPSON AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	JURGIS NEMICKS
Contact Phone:	(718) 609-2556
DEC Memo:	3/3/05 - Austin - Received 2/23/05 correspondece from Testwell Labs regarding this spill - forwarded to Tipple - end3/4/05 Tipple reviewed submittal, called Charles Schnugg from Testwell Labs, Confirmed that when removing the Hydraulic oil, it would be skimmed from the top down to prevent additional smear of the oil.5/16/05 reviewed submittal, called and clarified details, all cleaned, NFA
Remarks:	ELEVATOR PISTON NEEDS TO BE REPLACED AND THE PRODUCT IS ELEVATOR HYDROLIC FLUID IS IN THE CASING. THERE IS ABOUT 110 GALLONS AND THE PIT 48 FEET DOWN. AND GROUNDWATER IS 15 FT. FROM THE BOTTOM OF TEH CASING. THE BOTTOM OF THE CASING IS NOT CLOSED OFF AND TEH WATER IS COMING INTO THE CASING. ALL THE FLUID IS ON TOP OF THIS WATER BUT IT HAS BEEN CONTAINED. VAC TRUCK IS BEING SCHEDULED.

Material:

Site ID:	337831
Operable Unit ID:	1099842
Operable Unit:	01
Material ID:	580119
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	110
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Z176 **MIDTOWN OPERATING CORP** **NY UST** **U001835096**
North **42-50 24TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.238 mi.
1258 ft. **Site 2 of 2 in cluster Z**

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-269336 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/07/10
UTM X:	589289.82622000005
UTM Y:	4511554.0727500003
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	11264
Affiliation Type:	Facility Owner
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	PRESIDENT

MIDTOWN OPERATING CORP (Continued) **U001835096**

Contact Name:	RONALD SHERMAN
Address1:	42-50 24TH ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/16/2008

Site Id:	11264
Affiliation Type:	Mail Contact
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	MR. RONALD SHERMAN
Address1:	42-50 24TH ST
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 937-2080
EMail:	RSTAXI2AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/17/2012

Site Id:	11264
Affiliation Type:	On-Site Operator
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	RON SHERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/10/2011

Site Id:	11264
Affiliation Type:	Emergency Contact
Company Name:	MIDTOWN OPERATING CORP
Contact Type:	Not reported
Contact Name:	MR HUGH MCKEAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

MIDTOWN OPERATING CORP (Continued) **U001835096**

Country Code:	999
Phone:	(718) 937-2080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/16/2008

Tank Info:

Tank Number:	001
Tank ID:	13604
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	04/01/1972
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	21
Date Test:	03/24/2011
Next Test Date:	03/24/2016
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	05/17/2012

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	002
Tank ID:	13605
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	07/01/1977
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

MIDTOWN OPERATING CORP (Continued) **U001835096**

Tightness Test Method: 21
Date Test: 03/24/2011
Next Test Date: 03/24/2016
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 05/17/2012

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None

Tank Number: 003
Tank ID: 13606
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 550
Install Date: 11/01/1961
Date Tank Closed: 01/24/2008
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 02/22/2008

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 004
Tank ID: 13607
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1080

MIDTOWN OPERATING CORP (Continued) **U001835096**

Install Date:	11/01/1961
Date Tank Closed:	01/24/2008
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	02/22/2008

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None

AH177 **GOTHAM CENTER TOWER B-2** **RCRA-LQG** **1012186279**
NNE **42-01 28TH STREET** **NYR000161406**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.242 mi.
1279 ft. **Site 1 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:

Date form received by agency:	04/16/2010
Facility name:	GOTHAM CENTER TOWER B-2
Facility address:	42-01 28TH STREET LONG ISLAND CITY, NY 11101
EPA ID:	NYR000161406
Mailing address:	ROCKEFELLER PLAZA 12TH FLOOR NEW YORK, NY 10111
Contact:	GEORGE HATZMANN
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 715-0528
Contact email:	GHATZMAN@TISHMANSPEYER.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

GOTHAM CENTER TOWER B-2 (Continued) **1012186279**

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LIC SITE B OWNER L.L.C. C/O TISHMAN SPE
Owner/operator address:	ROCKEFELLER PLAZA 12TH FLOOR
	NEW YORK, NY 10111
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Owner/operator name:	NEW YORK CITY ECONOMIC DEVELOPMENT CORP
Owner/operator address:	WILLIAM ST
	NEW YORK, NY 10038
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	10/07/2008
Owner/Op end date:	Not reported

Owner/operator name:	LIC SITE B-2 OWNER LLC-C/O TISHMAN SPEYE
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Owner/operator name:	LIC SITE B OWNER L.L.C. C/O TISHMAN SPE
Owner/operator address:	ROCKEFELLER PLAZA 12TH FLOOR
	NEW YORK, NY 10111
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/08/2008
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

GOTHAM CENTER TOWER B-2 (Continued) **1012186279**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/09/2009
Facility name: GOTHAM CENTER TOWER B-2
Site name: GOTHAM CENTER TOWER B-2
Classification: Large Quantity Generator

Date form received by agency: 12/17/2008
Facility name: GOTHAM CENTER TOWER B-2
Site name: GOTHAM CENTER TOWER B-2
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

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178 **EDR US Hist Auto Stat** **1015486495**
NNE **4206 27TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.243 mi.
1285 ft.

Relative:
Higher

Actual:
22 ft.

EDR Historical Auto Stations:
Name: AUTO EXPRESS
Year: 2002
Address: 4206 27TH ST

AH179 **NYC EDC - GOTHAM CENTER TOWER B-2** **NY MANIFEST** **S109826458**
NNE **42-01 28TH STREET** **NY Spills** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.244 mi.
1290 ft. **Site 2 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

NY MANIFEST:
EPA ID: NYR000161406
Country: USA
Mailing Name: NYC EDC - GOTHAM CENTER TOWER B-2
Mailing Contact: FUMILIO COPPARD
Mailing Address: 110 WILLIAM ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10038
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 858-251-9980

NYC EDC - GOTHAM CENTER TOWER B-2 (Continued) **S109826458**

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0902823
DER Facility ID:	364033
Facility Type:	ER
Site ID:	414887
DEC Region:	2
Spill Date:	6/9/2009
Spill Number/Closed Date:	0902823 / 9/7/2011
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	6/9/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/2009
Spill Record Last Update:	5/1/2012
Spiller Name:	LEE BENEDICT NYC ECONOMIC DEVELOPMENT CORP
Spiller Company:	OWNER OF THE PROPERTY
Spiller Address:	42-01 28TH ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	LEE BENEDICT NYC ECONOMIC DEVELOPMENT CORP
Contact Phone:	(212) 312-3623
DEC Memo:	Former 3 level municipal parking garage at corner of Jackson Ave and Queens Plaza South. Owner Contact: Lee Benedict - NYC Economic Development Corp. 212-312-3623Consultant Contact: Mohamed Ahmed - Fleming Lee Shue 212-675-322507/02/09 CSL was sent to NYC Economic Development Corp.110 William Street, 6th FloorNew York City, NY 10038Attn: Lee Benedict(sr)08/04/09 Rec'd letter requesting extension to perform subsurface investigation from Fleming Lee & Shue.(sr)12/17/09 Remedial Work Plan in file.STIP has been sent out for RP's signature.(sr)05/10/10 Work Plan dated Jan 06,2010 approved.(sr)09/07/11 Reviewing Investigation Summary Report prepared by Fleming Lee Shue. Investigation was performed in Nov/December 2010 to delineate the contamination found in proximity to the former filling station, to determine if the contamination had impacted the ground water beneath the site.Seventeen soil borings were advanced to depths ranging from 20 to 26 ft and three ground water monitoring wells were installed and sampled.Two wells were advanced downgradient and one well was advanced upgradient of the spill.VOCS in soil and ground water are slightly above the CP-51 guidance value.No further action required.Case closed.All reports are in edocs.(sr)** Spill

NYC EDC - GOTHAM CENTER TOWER B-2 (Continued) **S109826458**

closure letter issued and was sent toLIC Site B, L.L.C.C/O Tishman Speyer45 Rockefeller PlazaNew York, NY 10111Attention: Patrick Shiels&New York City Economic Development Corporation (NYCEDC)110 William Street, 6th FloorNew York, NY 10038.Attention: Kay Zias

Remarks: Clean up is pending. Soil will be excavated.

Material:

Site ID:	414887
Operable Unit ID:	1171259
Operable Unit:	01
Material ID:	2163051
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AI180 **ANTHONY CONCRETE** **NY CBS AST** **S102639396**
SSE **47-17 27TH ST** **NY CBS** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1293 ft. **Site 1 of 2 in cluster AI**

Relative:
Lower

Actual:
11 ft.

CBS AST:

CBS Number:	2-000181
ICS Number:	2-700754
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 729-4351
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	09/22/1997
Total Capacity of All Active Tanks(gal):	0
Operator:	LEE PRINCIPE
Emergency Contact:	CHARLES LUGINBILL
Emergency Phone:	(201) 933-8800
Owner Name:	SIKA CORPORATION
Owner Address:	201 POLITO AVE.
Owner City,St,Zip:	LYNDHURST, NJ 07071
Owner Telephone:	(201) 933-8800
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	SIKA CORPORATION
Mail Contact Addr:	201 POLITO AVE.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	CHARLES LUGINBILL
Mail Contact City,St,Zip:	LYNDHURST, NJ 07071
Mail Phone:	(201) 933-8800

ANTHONY CONCRETE (Continued) **S102639396**

Tank Id:	18011
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/85
Tank Closed:	00/00
Capacity (Gal):	275
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	09/22/1989
Certified Date:	08/31/1995
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	OTHER
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	06/07/93
Is It There:	False
Delinquent:	False
Date Expired:	09/22/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	06/06/1997

Tank Id:	18012
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/85
Tank Closed:	00/00
Capacity (Gal):	275
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None

ANTHONY CONCRETE (Continued) **S102639396**

Tank Error Status:	No Missing Data
Date Entered:	09/22/1989
Certified Date:	08/31/1995
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	OTHER
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	06/07/93
Is It There:	False
Delinquent:	False
Date Expired:	09/22/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	06/06/1997

CBS:

CBS Number:	2-000181
Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	589308.28916000
UTMY:	4510560.0018600

AI181 **FORDHAM ROAD CONCRETE** **NY UST** **U004118669**
SSE **47-17 27TH STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1293 ft. **Site 2 of 2 in cluster AI**

Relative:
Lower

Actual:
11 ft.

UST:

Id/Status:	2-610744 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2013/02/01
UTM X:	589308.28916000004
UTM Y:	4510560.0018600002
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	391815
Affiliation Type:	Facility Owner

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	PRESIDENT
Contact Name:	ARTHUR GEORGE REIS
Address1:	47-17 27TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 433-0111
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	11/6/2008

Site Id:	391815
Affiliation Type:	Mail Contact
Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	47-17 27TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 433-0111
EMail:	NYCONREADYMIX@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/4/2008

Site Id:	391815
Affiliation Type:	On-Site Operator
Company Name:	FORDHAM ROAD CONCRETE
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0111
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	11/6/2008

Site Id:	391815
Affiliation Type:	Emergency Contact
Company Name:	FORDHAM ROAD CONCRETE CORP.
Contact Type:	Not reported
Contact Name:	GEORGE REIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported

FORDHAM ROAD CONCRETE (Continued) **U004118669**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (917) 417-9474
EMail: Not reported
Fax Number: Not reported
Modified By: bkfalvey
Date Last Modified: 11/6/2008

Tank Info:

Tank Number: 001
Tank ID: 221027
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 02/01/1998
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number: 002
Tank ID: 221028
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 3000
Install Date: 02/01/1998
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Number: 003
Tank ID: 241665
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 2000
Install Date: 02/01/1985
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: 02/01/1995
Pipe Model: Not reported
Modified By: CGFREEDM
Last Modified: 09/17/2013

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

FORDHAM ROAD CONCRETE (Continued) **U004118669**

Tank Number:	004
Tank ID:	241666
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	02/01/1985
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	02/01/1995
Pipe Model:	Not reported
Modified By:	CGFREEDM
Last Modified:	09/17/2013

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K00 - Spill Prevention - None
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

AG182 **42-15 CRESENT ST** **NY HIST UST** **U001833283**
North **42-15 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 2 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

HIST UST:

PBS Number:	2-155969
SPDES Number:	Not reported
Emergency Contact:	ALAN KAHN
Emergency Telephone:	(212) 947-0155
Operator:	ALAN KAHN/GOE
Operator Telephone:	(718) 937-9611
Owner Name:	ALAN KAHN ASSOC.
Owner Address:	240 WEST 35TH STREET
Owner City,St,Zip:	NEW YORK, NY 10018
Owner Telephone:	(212) 947-0155
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	42-15 CRESCENT ST.
Mailing Address:	42-15 CRESCENT ST.
Mailing Address 2:	LONG ISLAND CITY
Mailing City,St,Zip:	NEW YORK, NY 11101
Mailing Contact:	SUPERINTENDENT OR MANAGER

42-15 CRESENT ST (Continued) **U001833283**

Mailing Telephone:	(718) 937-9611
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	42015 CRESCENT ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/12/1997
Expiration Date:	08/24/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	12000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AG183 **42-15 CRESENT ST** **NY AST** **A100298588**
North **42-15 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 3 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-155969
Program Type:	PBS
UTM X:	589412.74254999997
UTM Y:	4511562.54959
Expiration Date:	2017/08/24
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5081
Affiliation Type:	Facility Owner
Company Name:	ALAN KAHN ASSOC.
Contact Type:	AGENT
Contact Name:	ALAN KAHN
Address1:	123 WILLIAM ST 22ND FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 947-0155
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	Mail Contact
Company Name:	SUPERINTENDENT OR MANAGER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-15 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-4324
EMail:	AKAHNINC@AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	On-Site Operator
Company Name:	42-15 CRESENT ST
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

42-15 CRESENT ST (Continued) **A100298588**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-9611
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/19/2006

Site Id:	5081
Affiliation Type:	Emergency Contact
Company Name:	ALAN KAHN ASSOC.
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 571-7959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Tank Info:

Tank Number:	002
Tank Id:	212273
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/03/2006
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

42-15 CRESENT ST (Continued) **A100298588**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	06/19/2006
Material Name:	#6 Fuel Oil (On-Site Consumption)

AG184 **42-15 CRESENT ST** **NY UST** **U004076474**
North **42-15 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.245 mi.
1294 ft. **Site 4 of 4 in cluster AG**

Relative:
Higher

Actual:
21 ft.

UST:

Id/Status:	2-155969 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/08/24
UTM X:	589412.74254999997
UTM Y:	4511562.54959
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5081
Affiliation Type:	Facility Owner
Company Name:	ALAN KAHN ASSOC.
Contact Type:	AGENT
Contact Name:	ALAN KAHN
Address1:	123 WILLIAM ST 22ND FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 947-0155
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	Mail Contact
Company Name:	SUPERINTENDENT OR MANAGER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	42-15 CRESCENT STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-4324
EMail:	AKAHNINC@AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Site Id:	5081
Affiliation Type:	On-Site Operator

42-15 CRESENT ST (Continued) **U004076474**

Company Name:	42-15 CRESENT ST
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 937-9611
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/19/2006

Site Id:	5081
Affiliation Type:	Emergency Contact
Company Name:	ALAN KAHN ASSOC.
Contact Type:	Not reported
Contact Name:	ALAN KAHN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 571-7959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/6/2012

Tank Info:

Tank Number:	001
Tank ID:	8473
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	12000
Install Date:	Not reported
Date Tank Closed:	05/30/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	06/19/2006

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

42-15 CRESENT ST (Continued) **U004076474**

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

AH185 **TWO GOTHAM CENTER** **NY AST** **A100356942**
NNE **42-09 28TH ST** **N/A**
1/8-1/4 **QUEENS, NY 11101**
0.245 mi.
1294 ft. **Site 3 of 3 in cluster AH**

Relative:
Higher

Actual:
23 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611586
Program Type:	PBS
UTM X:	589568.73852000001
UTM Y:	4511513.9805899998
Expiration Date:	2014/08/07
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	449064
Affiliation Type:	Facility Owner
Company Name:	LIC SITE B-2 OWNER,LLC
Contact Type:	MGR
Contact Name:	LAWRENCE J. SPAHN
Address1:	42-09 28TH ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-4500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/12/2011

Site Id:	449064
Affiliation Type:	Mail Contact
Company Name:	TISHMAN SPEYER
Contact Type:	Not reported
Contact Name:	LAWRENCE J. SPAHN
Address1:	42-09 28TH ST
Address2:	Not reported
City:	LIC
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 361-4500
EMail:	Not reported
Fax Number:	Not reported

TWO GOTHAM CENTER (Continued) **A100356942**

Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Site Id: 449064
Affiliation Type: On-Site Operator
Company Name: TWO GOTHAM CENTER
Contact Type: Not reported
Contact Name: LAWRENCE J. SPAHN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 361-4500
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Site Id: 449064
Affiliation Type: Emergency Contact
Company Name: LIC SITE B-2 OWNER,LLC
Contact Type: Not reported
Contact Name: PAUL SCIALLIS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 652-9924
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 5/12/2011

Tank Info:

Tank Number: C617796
Tank Id: 239265
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

TWO GOTHAM CENTER (Continued) **A100356942**

F05 - Pipe External Protection - Jacketed

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/07/2009
Capacity Gallons:	13000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/12/2011
Material Name:	#2 Fuel Oil (On-Site Consumption)

186
North
1/8-1/4
0.246 mi.
1298 ft.

Relative:
Higher

Actual:
18 ft.

CON ED - V 7677 **RCRA NonGen / NLR** **1007206106**
W/S 24 ST/42 RD **NYP004003646**
ASTORIA, NY 11105

RCRA NonGen / NLR:

Date form received by agency:	02/28/1998
Facility name:	CON ED - V 7677
Facility address:	W/S 24 ST/42 RD ASTORIA, NY 111050000
EPA ID:	NYP004003646
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PL RM 310 NEW YORK, NY 100030000
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON ED - V 7677 (Continued) **1007206106**

Historical Generators:
Date form received by agency: 02/27/1998
Facility name: CON ED - V 7677
Classification: Not a generator, verified

Date form received by agency: 02/26/1998
Facility name: CON ED - V 7677
Classification: Large Quantity Generator

Violation Status: No violations found

AD187 **EDR US Hist Cleaners** **1015061951**
ESE **4420 30TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.248 mi.
1310 ft. **Site 6 of 6 in cluster AD**

Relative: Higher

Actual: 30 ft.

EDR Historical Cleaners:
Name: FRESH LOOK LAUNDROMAT INC
Year: 2006
Address: 4420 30TH ST

Name: FRESH LOOK LAUNDROMAT INC
Year: 2007
Address: 4420 30TH ST

AJ188 **ON SIDEWALK** **NY LTANKS** **S105995094**
SSW **47-15 PEARSON PL** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.263 mi.
1389 ft. **Site 1 of 2 in cluster AJ**

Relative: Higher

Actual: 16 ft.

LTANKS:
Site ID: 287873
Spill Number/Closed Date: 0110585 / 7/31/2003
Spill Date: 2/5/2002
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: MXTIPPLE
Referred To: Not reported
Reported to Dept: 2/5/2002
CID: 397
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2/5/2002
Spill Record Last Update: 7/31/2003
Spiller Name: CALLER
Spiller Company: BRIDGE TRANSPORTATION

ON SIDEWALK (Continued) **S105995094**

Spiller Address:	176 27TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	233188
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"7/31/2003 tipple updating//sidewalk has been cleaned.//nfa
Remarks:	DRIVER OVERFILLED THE TANK

Material:

Site ID:	287873
Operable Unit ID:	849053
Operable Unit:	01
Material ID:	528206
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	12
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

189
NE
1/4-1/2
0.268 mi.
1416 ft.

Relative: Higher

Actual: 22 ft.

OUTLET CITY, QUEENS BLVD. & JACKSON AVE. **NY VCP** **S105684691**
QUEENS BLVD. & JACKSON AVE., L.I.C. **N/A**
LONG ISLAND CITY, NY 11101

VCP:

Program Type:	VCP
Site Code:	58261
HW Code:	V00081
Site Class:	A
SWIS:	4101
Region:	2
Town:	New York City
Acres:	2.500
Date Record Added:	11/30/2000
Date Record Updated:	11/16/2012
Updated By:	JAMORAS
Site Description:	Location: The site is located in Queens County, on Jackson Ave between Orchard Street to the east, Queens Blvd. to the west and Long Island Railroad yard to the south. The G-Train runs underneath Jackson Avenue bordering the site to the north. The nearest residential structure is located approximately 100ft to the west across Orchard street. Site Features: This 2.5 acre site consists of 12 multi-story buildings and associated parking area located in a congested commercial/industrial area of Queens County. The only occupied structure on-site is a NYC Transit Authority building.

OUTLET CITY, QUEENS BLVD. & JACKSON AVE. (Continued) **S105684691**

Current Zoning/Uses(s): The current zoning at the site is Industrial and Retail. The surrounding area is zoned Special Long Island City Mixed Use District (LIC) and is a longstanding mix of residential, commercial, industrial and cultural uses at varying densities.Historical Uses: The site had formerly been used for chemical manufacturing. From 1901-1978, West Chemical Co. owned the property and manufactured commercial and disinfectant products such as disinfectants, insecticides, soaps, floor wax, and paper products dispensing machines. Manufacturing operations employed various chemical substances including creosote, coal and acids, cresylic acids, degreasing solvents, iodine, and assorted oils and pesticides. Metal plating and gasoline filling operations were also conducted at the property. In 11/78, Outlet City acquired title to the property from West Chemical. During Outlet City's ownership, a flea market and various vendor operations have been conducted at the property. The site is being investigated under the Voluntary Cleanup Program (VCP) under a 1997 agreement. Previous investigations in the late 1980's and early 1990's led to the property entering the VCP.Site Geology and Hydrogeology: Site geology consists of mostly sand at varying depths due to presence of shallow bedrock. Groundwater is approximately 8 -10ft below grade

Env Problem: Nature and Extent of Contamination: The site is contaminated with creosote, petroleum, and solvents. Both soil and groundwater are affected. The majority of the contamination is located in Areas D and E where Creosote in the form of both LNAPL (Light Non-Aqueous Phase Liquid) and DNAPL (Dense Non-Aqueous Phase Liquid) is present. LNAPL in Area D & E ranges from 0 - 6ft.Total on-site VOCs (Volatile Organic Compounds) including both chlorinated hydrocarbons and petroleum constituents are present in groundwater from non-detect - 30,000ppb. Total on-site SVOCs (Semi-Volatile Organic Compounds) are present in groundwater from non-detect to over 100,000ppb. An off-site investigation has not been completed at this site. A ventilation IRM is in place in the basement of building No. 4, where creosote LNAPL enters the basement during large rain events. The ventilation system was designed and installed in 2004. The ventilation system was started up on June 8, 2004. The final engineering report for this IRM was approved in September 2006. Bi-annual air testing is collected to evaluate the effectiveness of the ventilation IRM.

Health Problem: Exposures to contaminated groundwater is not expected because the area is served by public water. Soils contaminated with etrachloroethene are beneath the site, however, exposure to this soil is not expected because the site is capped with asphalt. Indoor air samples collected in a portion of the on-site building contained levels of tetrachloroethene that exceeded the New York State Department of Health Guideline for tetrachloroethene in Indoor Air. NYSDOH and NYSDEC will evaluate the need for additional investigations to determine the potential for soil vapor intrusion into structures near the site.

AJ190 **J MANHEIMER INC** **NY LTANKS** **U001837339**
SSW **47-22 PEARSON PL** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.275 mi. **NY Spills**
1452 ft. **Site 2 of 2 in cluster AJ**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	174994
Spill Number/Closed Date:	9206718 / 7/29/1993
Spill Date:	9/10/1992
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	7/29/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	9/10/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/14/1992
Spill Record Last Update:	7/29/1993
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	147125
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BATTSTA"07/29/93: AIR TEST PASSED PRECISION RETEST WITH WATER PASSED CLOSED IN PLACE WITH FOAM SEE K ODOWDS LETTER 4722P.
Remarks:	TO PUMP TANK OUT & INVEST POLL AIR POCKET.

Material:

Site ID:	174994
Operable Unit ID:	970511
Operable Unit:	01
Material ID:	407415
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

J MANHEIMER INC (Continued) **U001837339**

Tank Test:
- Site ID: 174994
- Spill Tank Test: 1540542
- Tank Number: Not reported
- Tank Size: 0
- Test Method: 00
- Leak Rate: 0
- Gross Fail: Not reported
- Modified By: Spills
- Last Modified: 10/1/2004
- Test Method: Unknown

UST:
- Id/Status: 2-369810 / Unregulated
- Program Type: PBS
- Region: STATE
- DEC Region: 2
- Expiration Date: N/A
- UTM X: 589268.80539999995
- UTM Y: 4510740.7940800004
- Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
- Site Id: 18654
- Affiliation Type: Facility Owner
- Company Name: J MANHEIMER INC
- Contact Type: Not reported
- Contact Name: Not reported
- Address1: 47-22 PEARSON PL
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11101
- Country Code: 001
- Phone: (718) 392-7800
- EMail: Not reported
- Fax Number: Not reported
- Modified By: CGFREEDM
- Date Last Modified: 12/14/2004

- Site Id: 18654
- Affiliation Type: Mail Contact
- Company Name: J MANHEIMER INC
- Contact Type: Not reported
- Contact Name: MICHAEL I. LONDNER
- Address1: 47-22 PEARSON PL
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11101
- Country Code: 001
- Phone: (718) 392-7800
- EMail: Not reported
- Fax Number: Not reported
- Modified By: CGFREEDM
- Date Last Modified: 12/14/2004

J MANHEIMER INC (Continued) **U001837339**

Site Id:	18654
Affiliation Type:	On-Site Operator
Company Name:	J MANHEIMER INC
Contact Type:	Not reported
Contact Name:	J MANHEIMER INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 392-7800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18654
Affiliation Type:	Emergency Contact
Company Name:	J MANHEIMER INC
Contact Type:	Not reported
Contact Name:	MICHAEL I. LONDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 368-4906
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	21329
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	5000
Install Date:	12/01/1940
Date Tank Closed:	08/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	10
Date Test:	07/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

J MANHEIMER INC (Continued) **U001837339**

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H03 - Tank Leak Detection - Vapor Well

NY MANIFEST:

EPA ID:	NYD980781322
Country:	USA
Mailing Name:	SHOWMAN FABRICATORS INC
Mailing Contact:	ED MARRERO
Mailing Address:	47-22 PEARSON PLACE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-392-7800

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	8900343
DER Facility ID:	147125
Facility Type:	ER
Site ID:	174993
DEC Region:	2
Spill Date:	4/12/1989
Spill Number/Closed Date:	8900343 / 4/26/1989
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/12/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	4/26/1989
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/1989
Spill Record Last Update:	5/27/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported

J MANHEIMER INC (Continued) **U001837339**

Spiller City,St,Zip: ***Update***, ZZ
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Not reported
Remarks: VALVE ACCIDENTLY OPENED, SPILL INITIALLY ON CONCRETE FLOOR, THEN RAN TO GROUND OUTSIDE.

Material:
Site ID: 174993
Operable Unit ID: 926745
Operable Unit: 01
Material ID: 451684
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 250
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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191 WNW 1/4-1/2 0.280 mi. 1476 ft. **CONDEA SUPPLY CORP** **NY LTANKS** **U003241856**
21-21 44TH RD **N/A**
LONG ISLAND CITY, NY

Relative: Higher

Actual: 16 ft.

LTANKS:
Site ID: 59951
Spill Number/Closed Date: 0306979 / 6/21/2006
Spill Date: 10/2/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: HRPATEL
Referred To: Not reported
Reported to Dept: 10/2/2003
CID: 257
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 10/2/2003
Spill Record Last Update: 6/21/2006
Spiller Name: MICHAEL MIAO
Spiller Company: CONDEA SUPPLY CORP
Spiller Address: 21-21 44TH RD

CONDEA SUPPLY CORP (Continued) **U003241856**

Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	MICHAEL MIAO
Spiller Phone:	(718) 392-3232
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58600
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"Sent TTF letter05/22/06-Hiralkumar Patel. Left message for Jim at Protest.06/21/06-Hiralkumar Patel. Visited site. manager gave me tank test result. test done on 11/11/2003 and whole system passed test. loose manhole cover was reason behind failure first time.based on available information, case is closed.
Remarks:	Not reported

Material:

Site ID:	59951
Operable Unit ID:	875736
Operable Unit:	01
Material ID:	500576
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

192
NNE
1/4-1/2
0.302 mi.
1592 ft.

FALIDAS ASSCOCIATES
25-01 QUEENS PLAZA N
LONG ISLAND CITY, NY 11101

RCRA-CESQG **1007264881**
NY LTANKS **NYR000123547**
NY MANIFEST
NJ MANIFEST

Relative:
Higher

Actual:
25 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	FALIDAS ASSCOCIATES
Facility address:	25-01 QUEENS PLAZA N LONG ISLAND CITY, NY 11101
EPA ID:	NYR000123547
Mailing address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Contact:	GEORGE V FALIDAS
Contact address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 392-0514
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

FALIDAS ASSCOCIATES (Continued) **1007264881**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	FALIDAS ASSOCIATES
Owner/operator address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 392-0514
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/04/1984
Owner/Op end date:	Not reported

Owner/operator name:	GEORGE FALIDAS
Owner/operator address:	QUEENS PLAZA N LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 392-0514
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	04/04/1984
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	FALIDAS ASSCOCIATES
Classification:	Conditionally Exempt Small Quantity Generator

FALIDAS ASSCOCIATES (Continued) **1007264881**

Date form received by agency: 03/30/2004
Facility name: FALIDAS ASSCOCIATES
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

LTANKS:
Site ID: 237933
Spill Number/Closed Date: 8905133 / 11/19/1992
Spill Date: 8/23/1989
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 11/19/1992
Cleanup Meets Standard: False
SWIS: 4101
Investigator: BATTISTA
Referred To: Not reported
Reported to Dept: 8/23/1989
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/6/1989
Spill Record Last Update: 1/7/2004
Spiller Name: Not reported
Spiller Company: FALIDAS ASSOCIATES
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 195968
DEC Memo: Not reported
Remarks: 5K TANK FAILED HORNER EZY CHECK, STOPPED TEST, MANHOLE LEAKING, WILL REPLACE GASKET & RETEST.

Material:
Site ID: 237933
Operable Unit ID: 930454
Operable Unit: 01
Material ID: 445573
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

FALIDAS ASSCOCIATES (Continued) **1007264881**

Tank Test:

Site ID:	237933
Spill Tank Test:	1535902
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	66252
Spill Number/Closed Date:	0305348 / 5/21/2007
Spill Date:	8/1/2003
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	rvketani
Referred To:	Not reported
Reported to Dept:	8/20/2003
CID:	216
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/20/2003
Spill Record Last Update:	5/21/2007
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	GEORGE FALIDAS
Spiller Phone:	(718) 392-0514
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	63466
DEC Memo:	On 7/14/05, J Peck called RIR Com. Cynthia Roby doesn't work there now. Left mesasage to return call concerning spill. Could not determine owner of property from Property Shark or Acris. Called George Falidas on 7/14/05, left message to call back. On 1/19/05, reattempted to determine owner of property. No success. 3/30/07 - Austin - Trasferred to Ketani for further review - end5/21/07 - Raphael Ketani. I reactiviated the case today. There was very little in the case file. Some printed pages for spill #0305345 (which doesn't pertain to the case, except the memo from Mr. Sigona to Mr. Hassan), an 11/7/05 letter from Joseph Peck of DEC to George Faildas regarding the spill, printouts from Google Earth and Property Shark, and a printout of the spill report for this case.I did a search of

FALIDAS ASSCOCIATES (Continued) **1007264881**

ACRIS, the NYC Property Tax database, and Property Shark and determined that 25-15 Queens Plaza North is just one part of the range of properties (25-01 to 25-27 Queens Plaza North) owned by Falidas Associates. It is also known by Bridge Plaza North. The block and lot are: 00415 and 0004. I called up George Falidas (718) 392-0514 of Falidas Associates and was connected to his brother, John Falidas.I made a field visit and met John Falidas. He showed me the basement of one of the properties owned by Falidas Associates and which is near to where the tank failed 2 buildings away. We entered a work room rented by a garment making company. The floor and walls and bathroom were clean. There were no signs of oil and no oil odors. Mr. Falidas said that he had paid lots of money to get the oil cleaned up years ago and the responsible party never paid anything to him. Mr. Falidas had a package of documents from the EPA and the DEC and showed them to me. These were the RCRA Subtitle C Site Identification Form, letters from South Mall Analytical Labs to PTC, and a DEC Spill Report. He gave me copies of these documents. I was particularly interested in the old DEC spill report form as this document wasn't in the case file.Next, I visited the 2 story building between Mr. Falidas' building and the site of origin of the spill. I met Sandro Cestaro of Atlantic Precious Metal Casting, Inc. (718) 937-7100. He showed me his basement. There were some signs of a thin film of mud in one corner of the basement, but no signs or odors of oil, even though this was the building where the oil first entered. Lastly, I went to the site of the oil spill. The auto parts service place had burned completely, according to the old spill report case notes. This site was 41-22 to 41-30 27 Street. The site was sold to developers who later built an apartment building that was finished in early 2007. This building is listed as 41-28 27 Street. I met the super., Leonardo Colon. He took me to the lowest point in the building. This was a parking garage. There were no signs of oil nor any odors. He said he was new here and didn't know much about the building. The building management company is Golden Management and the contact person is Brandon Wechsler (718) 230-2600, ext 111.I took 3 pictures of the apartment building and the neighboring properties. I remember seeing the dig out for the foundation for the building when I passed by the site many months back. They went down below the bottom of the foundation for the neighboring building which contains Atlantic Precious. This is a depth of about 15 feet or so. Based upon my site visits and the fact that the old auto parts area has been dug out, and the lack of evidence of a spill, I am closing the spill case.

Remarks: SPILL AT A COMMERCIAL BLD CALLER IS A TENANT AND REQ A CALL FROM DEC SPILL HAS NOT BEEN CLEANED UP BEEN SMELLING THIS FOR ABOUT 3 WEEKS

Material:

Site ID:	66252
Operable Unit ID:	871982
Operable Unit:	01
Material ID:	502602
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

FALIDAS ASSCOCIATES (Continued) **1007264881**

Oxygenate: False

Tank Test:

NY MANIFEST:

EPA ID:	NYR000123547
Country:	USA
Mailing Name:	FALIDAS ASSOCIATES
Mailing Contact:	N/S
Mailing Address:	25-15 QUEENS BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-0514

Document ID:	NJA5082592
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Trans2 State ID:	50059
Generator Ship Date:	12/03/2004
Trans1 Recv Date:	12/03/2004
Trans2 Recv Date:	02/07/2005
TSD Site Recv Date:	02/07/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000123547
Trans1 EPA ID:	NYR000080549
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

NJ MANIFEST:

Manifest Code:	NJA5082592
EPA ID:	NYR000123547
Date Shipped:	12/03/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYR000080549
Transporter 2 EPA ID:	NJD986607380
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

FALIDAS ASSCOCIATES (Continued) **1007264881**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/03/2004
Date Trans2 Transported Waste:	02/07/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/07/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03150595
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

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193 **21-16 44TH RD** **NY Spills** **S103560285**
WNW **21-16 44TH RD** **NY ENG CONTROLS** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY INST CONTROL**
0.306 mi. **NY VCP**
1618 ft.

Relative:
Higher

Actual:
18 ft.

SPILLS:

Facility ID:	8808385
DER Facility ID:	88420
Facility Type:	ER
Site ID:	99512
DEC Region:	2
Spill Date:	1/20/1989
Spill Number/Closed Date:	8808385 / 11/14/1994

21-16 44TH RD (Continued) **S103560285**

Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	1/20/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	11/14/1994
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/23/1989
Spill Record Last Update:	3/30/2004
Spiller Name:	MR GOULD
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	PETROLEUM TANK CLEANING REWELDING COUPLINGS & RELINING TANK & PIPING REPLACED.

Material:

Site ID:	99512
Operable Unit ID:	924799
Operable Unit:	01
Material ID:	453147
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	99512
Spill Tank Test:	1535107
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

21-16 44TH RD (Continued) **S103560285**

ENG CONTROLS:

Site Code:	58239
HW Code:	V00366
Control Code:	13
Control Type:	ENG
Date Record Added:	12/12/2008
Date Rec Updated:	08/16/2011
Updated By:	SRHEIGEL
Site Description:	Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem:	Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions

21-16 44TH RD (Continued) **S103560285**

recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 15
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in

21-16 44TH RD (Continued) **S103560285**

the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 18
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a

21-16 44TH RD (Continued) **S103560285**

NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
HW Code: V00366
Control Code: 12
Control Type: ENG
Date Record Added: 12/12/2008
Date Rec Updated: 08/16/2011
Updated By: SRHEIGEL
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a

21-16 44TH RD (Continued) **S103560285**

High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

21-16 44TH RD (Continued) **S103560285**

INST CONTROL:
Site Code: 58239
Control Name: Soil Management Plan
HW Code: V00366
Control Code: 14
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The

21-16 44TH RD (Continued) **S103560285**

SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Deed Restriction
HW Code: V00366
Control Code: A
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239

Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds

21-16 44TH RD (Continued) **S103560285**

(CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Ground Water Use Restriction
HW Code: V00366
Control Code: 08
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the

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plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Landuse Restriction
HW Code: V00366
Control Code: 25
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL

21-16 44TH RD (Continued) **S103560285**

Site Code: 58239

Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since

21-16 44TH RD (Continued) **S103560285**

the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

Site Code: 58239
Control Name: Building Use Restriction
HW Code: V00366
Control Code: 26
Control Type: INST
Dt record added: 12/12/2008
Dt rec updated: 08/16/2011
Updated By: SRHEIGEL
Site Code: 58239
Site Description: Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.
Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum

21-16 44TH RD (Continued) **S103560285**

storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

VCP:

Program Type:	VCP
Site Code:	58239
HW Code:	V00366
Site Class:	C
SWIS:	4101
Region:	2
Town:	New York City
Acres:	.800
Date Record Added:	11/30/2000
Date Record Updated:	04/16/2013
Updated By:	JHOCONNE
Site Description:	Location: The site is located at 21-16 44th Road, LIC, NY 11101 (Tax Block 438, Lot 26). The site occupies the northweastern portion of the block bounded by 44th Rd. to the north, 44th Dr. to the south, 21st St. to the west and 23rd St. to the east. The site is in urban area. The property is approximately 1/2 mile from the East River. Site Features: The Information Technology HS building and its court yard occupy the site. Current Zonning/Use(s): The site is used as a High School. The surrounding area is zoned M3-1 Heavy Manufacturing. The adjacent parcels are currently used for a combination of commercial, manufacturing, and residential.Historical Use(s): The site was formerly occupied by a four story, 30,000 square foot warehouse and its court yard. It was historically operated as a cloth manufacturing factory, a metal plating factory, and a 5,000 square foot parking lot. The plating factory had one dry well on the first floor, one in the courtyard, and two in the basement. During the plating processes the waste from the metal cleaning and plating baths were disposed of through these dry wells. Following implementation of remedial actions, the building was renovated and is currently occupied by the Information Technology High School. The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The remedial systems are operating under a

21-16 44TH RD (Continued) **S103560285**

NYSDEC-approved Site Management Plan which has provisions for frequent system monitoring, maintenance, and periodic reporting.Site Geology and Hydrogeology: The site is underlain by 2 to 5 feet of urban fill materials. Below this there are interbeded layers of sand, clay and marl of Cretaceous and Pleistocene age. The bed rock is 23 to 29 feet below grade. The groundwater is 12 to 15 feet below grade and flows generally south.

Env Problem: Nature and Extent of Contamination: Prior to Remediation:a) contaminants: The Phase I and Phase II Investigation identified the contaminants of concern as chlorinated volatile organic compounds (CVOCs), particularly PCE and its breakdown products in soil, groundwater, and soil vapor; metals in the dry well sediments; and lead-contaminated soil in the parking lot. The site contamination was related to the previous manufacturing industries which operated in the former warehouse building. b) areal/depth extent: The plating factory occupied the first floor and the basement of the building and it had drum storage areas inside and in the court yard adjacent to the building. The sources of contamination under the building in soil and groundwater were determined to be four dry wells and a drum storage area in the court yard.c) concentrations: PCE in soil ranged from 0 to 300 ppm; in groundwater 5 ppb to 36,000 ppb; and 5 ppbv to 80,0000 ppbv in soil gas. Post-Remediation: A Subslab Depressurization System (SSDS), and a groundwater pump and treatment systems are currently operating under a NYSDEC-approved Site Management Plan (SMP). The terms of the Voluntary Cleanup Agreement have been met. The remediation at the site has been completed. The SMP has provisions for frequent system monitoring and maintenance, and for periodic reporting to NYSDEC. There are Deed Restrictions recorded against the site.

Health Problem: The Site was a former warehouse and has been redeveloped as an Information and Technology High School. Contaminated soils beneath the building have been removed and disposed of off-site. Human exposures to residual contaminated soil is unlikely as the site is covered by the on-site building and pavement. Ingestion of groundwater as a potable drinking water source is not expected since the area is served by public water supply. Potential exposures via soil vapor intrusion into the school have been mitigated by the installation and operation of sub-slab depressurization system, a vapor barrier, a eight-inch thick competent concrete slab, and the building's positive-pressure heating and ventilation system. Monthly sampling of soil vapor and quarterly sampling of groundwater will ensure that remedial systems are working properly.

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194 **TAXI STAND** **NY LTANKS** **S109064181**
WSW **22-10 JACKSON AVE** **N/A**
1/4-1/2 **LONG ISLAND, NY**
0.316 mi.
1666 ft.

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	394963
Spill Number/Closed Date:	0713239 / 4/22/2008
Spill Date:	3/14/2008
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported

TAXI STAND (Continued) **S109064181**

Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	3/14/2008
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/14/2008
Spill Record Last Update:	5/2/2008
Spiller Name:	BOB URBAN
Spiller Company:	TAXI STAND
Spiller Address:	2210 JACKSON AVE
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller County:	001
Spiller Contact:	BOB URBAN
Spiller Phone:	(631) 321-4670
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	344508
DEC Memo:	3/14/08 bf: Sent ttf to:Plaxall5-46 46th Ave.Long Island City, NY 111014/18/08 Received call from Bob Arcaro, consultant handling spill closure. Lione failed during FDNY 10 year precision test. Dry leak at the stage II reovery line. Replaced faulty fittings and retested on 4/9/08 and line passed. Will be sending me a letter. i emailed ttf letter to him: arcarora@aol.com. bf4/22/08 Yesterday, I received an email from R. Arcaro with a letter attached confirming the findings he stated on the phone on 4/18/08. NFA. bf
Remarks:	DRY LEAK

Material:

Site ID:	394963
Operable Unit ID:	1151910
Operable Unit:	01
Material ID:	2142675
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	394963
Spill Tank Test:	2384844
Tank Number:	Not reported
Tank Size:	4000
Test Method:	03
Leak Rate:	0

TAXI STAND (Continued) **S109064181**

Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 3/14/2008
Test Method: Horner EZ Check I or II

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195 WILSON HANLEY, INC. **NY SHWS 1001362336**
NW 21-11 44TH AVENUE **NY AST N/A**
1/4-1/2 LONG ISLAND CITY, NY 11101 **NY HIST AST**
0.326 mi.
1721 ft.

Relative:
Higher

Actual:
19 ft.

SHWS:
Program: HW
Site Code: 384281
Classification: N
Region: 2
Acres: .037
HW Code: 241110
Record Add: 07/13/2007
Record Upd: 06/11/2008
Updated By: MOBARRIE
Site Description: Site will be investigated as part of the off-site to adjacent site 241107.
Env Problem: Not reported
Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: Owner
Sub Type: NNN
Owner Name: THOMAS C. WILSON, INC.
Owner Company: THOMAS C. WILSON, INC.
Owner Address: 21-11 44TH AVENUE
Owner Addr2: Not reported
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

WILSON HANLEY, INC. (Continued) **1001362336**

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-017663
Program Type:	PBS
UTM X:	588936.06883
UTM Y:	4511482.4266299997
Expiration Date:	2017/10/23
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	153
Affiliation Type:	Emergency Contact
Company Name:	THOMAS C WILSON INC
Contact Type:	Not reported
Contact Name:	JOHN J. HEEKIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	9/10/2007

Site Id:	153
Affiliation Type:	On-Site Operator
Company Name:	THOMAS C WILSON INC
Contact Type:	Not reported
Contact Name:	JOHN J.HEEKIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	9/10/2007

Site Id:	153
Affiliation Type:	Facility Owner
Company Name:	WILSON HANLEY, INC.
Contact Type:	TREASURER
Contact Name:	JOHN J.HEEKIN
Address1:	21-11 44TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001

WILSON HANLEY, INC. (Continued) **1001362336**

Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/30/2012

Site Id:	153
Affiliation Type:	Mail Contact
Company Name:	WILSON HANLEY, INC.
Contact Type:	TREASURER
Contact Name:	JOHN J.HEEKIN
Address1:	21-11 44TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 729-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/30/2012

Tank Info:

Tank Number:	001
Tank Id:	27076
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/09/1944
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/30/2012

WILSON HANLEY, INC. (Continued) **1001362336**

Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 002
Tank Id: 27077
Material Code: 9999
Common Name of Substance: Other

Equipment Records:
I00 - Overfill - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 08/01/1981
Capacity Gallons: 600
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KAKYER
Last Modified: 10/30/2012
Material Name: Other

HIST AST:
PBS Number: 2-017663
SWIS Code: 6301
Operator: ROBERT C. LENARDI
Facility Phone: (718) 729-3360
Facility Addr2: 21011 44TH AVENUE
Facility Type: OTHER
Emergency: ROBERT C. LENARDI
Emergency Tel: (516) 626-1388
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: THOMAS C WILSON INC
Owner Address: 21-11 44TH AVENUE
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Federal ID: Not reported
Owner Tel: (718) 729-3360
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: THOMAS C WILSON INC

WILSON HANLEY, INC. (Continued) **1001362336**

Mailing Address:	21-11 44TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 729-3360
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/10/1997
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3600
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AK196 **47-20 30TH ST** **NY LTANKS** **S100167498**
SE **47-20 30TH ST** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.327 mi.
1725 ft. **Site 1 of 2 in cluster AK**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	153441
Spill Number/Closed Date:	8708435 / 11/2/1992
Spill Date:	12/31/1987
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	11/2/1992
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	12/31/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/1/1988
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	279923
DEC Memo:	Not reported
Remarks:	5K TANK CANNOT MAINTAIN LEVEL IN STANDPIPE, PRODUCT LEVEL BELOW TANK TOP, POSSIBLE PIPE PROBLEM.

Material:

Site ID:	153441
Operable Unit ID:	913049
Operable Unit:	01
Material ID:	463825
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

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

Tank Test:

Site ID:	153441
Spill Tank Test:	1532879
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AK197 **I G FEDERAL ELECTRICAL SUPPLY** **NY LTANKS** **U000401648**
SE **47-20 30TH ST** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY HIST UST**
0.327 mi.
1728 ft. **Site 2 of 2 in cluster AK**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	153440
Spill Number/Closed Date:	0110569 / 3/1/2002
Spill Date:	1/30/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2/4/2002
CID:	396
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/2002
Spill Record Last Update:	3/1/2002
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	LARRY
Spiller Phone:	(718) 729-5700
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	130179
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"3/1/2002-VOUGHT-Initial tank test performed by ProTest Laboratories. Second and third tank test performed by Federal Electrical Supply Corporation (718-729-5700). The reason for spill report was initial tank test failure. As a result of failure vent

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

line, fill line, suction line and return line were replaced by Petroleum Tank Cleaners. Tank was tested again on 2-6-2002 and failed again because testers failed to close off return line to day tank. Tank and system was tested for third time and passed on 2-14-2002. Isaac Mungra and Anthony (PTC) confirmed that there was no soil or groundwater contamination. Tank tests and repair invoices were provided. Spill closed by Vought.

Remarks: Not reported

Material:

Site ID:	153440
Operable Unit ID:	847652
Operable Unit:	01
Material ID:	528190
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	153440
Spill Tank Test:	1526857
Tank Number:	1
Tank Size:	4500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

UST:

Id/Status:	2-303658 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/07/14
UTM X:	589676.12798999995
UTM Y:	4510756.9250999996
Site Type:	Other

Affiliation Records:

Site Id:	13807
Affiliation Type:	Mail Contact
Company Name:	JOMEIRA REALTY COMPANY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	47-20 30TH ST
Address2:	Not reported
City:	LONG ISLAND CITY

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

State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 13807
Affiliation Type: On-Site Operator
Company Name: I G FEDERAL ELECTRICAL SUPPLY
Contact Type: Not reported
Contact Name: I G FEDERAL ELECTRICAL SUPPLY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 13807
Affiliation Type: Emergency Contact
Company Name: JOMEIRA REALTY COMPANY
Contact Type: Not reported
Contact Name: IRA FRIEDMAN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (914) 833-1275
EMail: Not reported
Fax Number: Not reported
Modified By: msbaptis
Date Last Modified: 4/18/2007

Site Id: 13807
Affiliation Type: Facility Owner
Company Name: JOMEIRA REALTY COMPANY
Contact Type: REP
Contact Name: IRA FREIDMAN
Address1: 47-20 30TH ST
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 729-5700
EMail: Not reported
Fax Number: Not reported

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

Modified By: msbaptis
Date Last Modified: 4/18/2007

Tank Info:

Tank Number: 001
Tank ID: 16220
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4500
Install Date: 10/30/1984
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 11/30/2006
Next Test Date: 11/30/2011
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 05/22/2012

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-303658
SPDES Number: Not reported
Emergency Contact: IRA FRIEDMAN
Emergency Telephone: (914) 833-1656
Operator: I G FEDERAL ELECTRICAL SUPPLY
Operator Telephone: (718) 729-5700
Owner Name: JOMEIRA REALTY COMPANY
Owner Address: 47-20 30TH ST
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 729-5700
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: JOMEIRA REALTY COMPANY
Mailing Address: 47-20 30TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: Not reported

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

Mailing Telephone:	(718) 729-5700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	47020 30TH ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/05/1999
Expiration Date:	07/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	12/01/1998
Next Test Date:	12/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

198
WNW
1/4-1/2
0.330 mi.
1740 ft.

SPILL NUMBER 0012047
21ST ST/44TH RD
LONG ISLAND CITY, NY

NY LTANKS

S104950592
N/A

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	297242
Spill Number/Closed Date:	0012047 / 10/30/2003
Spill Date:	2/9/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	2/9/2001
CID:	396
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/9/2001
Spill Record Last Update:	10/30/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	240507
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	caller states that there is fuel oil all over the road and getting in to storm sewers....believes that it is from a tank over fill...spill is on the east side of 21st.nfd.

Material:

Tank Test:

199
West
1/4-1/2
0.338 mi.
1786 ft.

ST. FRANCIS OF ASSISI
45-02 21ST AVE.
NEW YORK CITY, NY

NY LTANKS **S100167428**
N/A

Relative:
Lower

Actual:
13 ft.

LTANKS:

Site ID:	242102
Spill Number/Closed Date:	8704696 / 1/25/1989
Spill Date:	9/4/1987
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	c4
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	9/4/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/11/1987
Spill Record Last Update:	8/19/2004
Spiller Name:	Not reported
Spiller Company:	ST. FRANCIS OF ASSISI
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	198980
DEC Memo:	Not reported
Remarks:	SYSTEM FAILURE- WILL CONTACT CHURCH AND OFFER TO EXCAVATE AND RETEST. CONTACT- JOE FITZPATRICK (718 726-7568)./RETESTED-06/30/88 BY NAT MOSER 3,000 GAL TANK ISOLATED TANK-LEAKING AT -0.142 GPH.

Material:

Site ID:	242102
Operable Unit ID:	911172
Operable Unit:	01
Material ID:	467320
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

ST. FRANCIS OF ASSISI (Continued) **S100167428**

Tank Test:

Site ID:	242102
Spill Tank Test:	1531564
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AL200 **C&H SAND AND STONE; CORP.** **NY SWF/LF** **S105841940**
WSW **21-16 JACKSON AVENUE** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.343 mi.
1813 ft. **Site 1 of 2 in cluster AL**

Relative:
Lower

Actual:
13 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	7189372979
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	HUGH FLAHERTY
Contact Address:	21-16 Jackson Avenue
Contact Addr2:	Not reported
Contact City,St,Zip:	Long Island City, NY 11101
Contact Email:	Not reported
Contact Phone:	7189372979
Activity Desc:	C&D processing - registration
Activity Number:	[41W87]
Active:	No
East Coordinate:	588784
North Coordinate:	4510969
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

Flag:	INACTIVE
Region Code:	2
Phone Number:	5165377525
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported

C&H SAND AND STONE; CORP. (Continued) **S105841940**

Owner Phone: Not reported
Contact Name: JOHN CLAUSE
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: C&D processing - registration
Activity Number: [41W89]
Active: No
East Coordinate: 588784
North Coordinate: 4510969
Accuracy Code: Not reported
Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: Not reported
Authorization Date: Not reported
Expiration Date: Not reported

SPILLS:
Facility ID: 1206533
DER Facility ID: 423842
Facility Type: ER
Site ID: 469536
DEC Region: 2
Spill Date: 10/2/2012
Spill Number/Closed Date: 1206533 / 10/3/2012
Spill Cause: Unknown
Spill Class: Not reported
SWIS: 4101
Investigator: JBVOUGHT
Referred To: Not reported
Reported to Dept: 10/2/2012
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 10/2/2012
Spill Record Last Update: 10/3/2012
Spiller Name: Not reported
Spiller Company: HEALTY BRAND OIL INC
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: BRAD GREEN
Contact Phone: (718) 937-0806
DEC Memo: 10/3/12-Vought-Duty desk officer. Spill closed a biodegradable cooking oil and non-petroleum spill.
Remarks: anonymous caller reports oil on floor area of facility/cooking oil has exited building and entered storm drain...this has been on going issue for several years

C&H SAND AND STONE; CORP. (Continued) **S105841940**

Material:

Site ID:	469536
Operable Unit ID:	1219429
Operable Unit:	01
Material ID:	2217932
Material Code:	0820A
Material Name:	COOKING OIL
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AL201 **UNITED WASTE REMOVAL;INC.** **NY SWF/LF** **S105841795**
WSW **2116 JACKSON AVENUE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.344 mi.
1818 ft. **Site 2 of 2 in cluster AL**

Relative:
Lower

Actual:
13 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	7187846611
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	LIRR
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[41T67]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

202
ESE
1/4-1/2
0.352 mi.
1858 ft.

LA GUARDIA COMMUNITY COLLEGE
31-10 THOMSON AVE
LONG ISLAND CITY, NY 11101

NY LTANKS **S105995066**
NY MANIFEST **N/A**

Relative:
Higher

Actual:
24 ft.

LTANKS:

Site ID:	89365
Spill Number/Closed Date:	0110443 / 1/31/2002
Spill Date:	1/31/2002
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	1/31/2002
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/31/2002
Spill Record Last Update:	9/19/2003
Spiller Name:	KAREN MCCORMACK
Spiller Company:	LAGUARDIA COMM COLLEGE
Spiller Address:	31-10 THOMSON AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	KAREN MCCORMACK
Spiller Phone:	(718) 482-5580
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	81624
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"01/31/2002 SPILL TO SIDEWALK ONLY, NO IMPACT TO SOILS,SEWERS ETC. OIL COMPANY CONTAINED AND CLEANED IMMEDIATELY. SUPERINTENDANT ERFAN VERIFIED CLEANUP COMPLETE.
Remarks:	SCHOOL ORDERED TOO MUCH PRODUCT LEADING TO OVERFILL - CLEAN UP CREW ON THE WAY

Material:

Site ID:	89365
Operable Unit ID:	847549
Operable Unit:	01
Material ID:	528067
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	7
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Oxygenate: False

Tank Test:

NY MANIFEST:

EPA ID:	NY0000202374
Country:	USA
Mailing Name:	LA GUARDIA COMMUNITY COLLEGE
Mailing Contact:	GODFREY CHEE PING
Mailing Address:	31-10 THOMSON AVE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-482-5749

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	42.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	8.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	116.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	39.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	6.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	58.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 2012-02-29
Trans1 Recv Date: 2012-02-29
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-03-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000202374
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 2.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 004542897FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 2012-02-29
Trans1 Recv Date: 2012-02-29
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-03-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000202374
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 251.0
Units: P - Pounds
Number of Containers: 1.0

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	116.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	41.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	52.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	27.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Quantity:	12.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-29
Trans1 Recv Date:	2012-02-29
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000202374
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004542897FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

LA GUARDIA COMMUNITY COLLEGE (Continued) **S105995066**

Click this hyperlink while viewing on your computer to access
64 additional NY_MANIFEST: record(s) in the EDR Site Report.

203
NE
1/4-1/2
0.361 mi.
1908 ft.

OFFICE BUILDING
29-27 NORTHERN BLVD
LONG ISLAND, NY

NY LTANKS **S108467715**
N/A

Relative:
Higher

Actual:
28 ft.

LTANKS:

Site ID:	377316
Spill Number/Closed Date:	0612458 / 2/16/2007
Spill Date:	2/14/2007
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2/14/2007
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/14/2007
Spill Record Last Update:	2/21/2007
Spiller Name:	BOB LAGA
Spiller Company:	OFFICE BUILDING
Spiller Address:	29-76 NORTHERN BLVD
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller County:	001
Spiller Contact:	BOB LAGA
Spiller Phone:	(718) 762-5200
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	326872
DEC Memo:	A CSL letter was NOT sent to Mr. Laga. Based on his experience, he knows the standard DEC routine on cases like this.Sangesland left a voice message reviewing the proceedure:Pulled tank, Excavate soil, Sample endpoints for VOC/SVOC, Submit report with results & manifests.02/16/07 Rahman- Closure report from Franklin Company.VOC and Naphthalene are non detect in th e end point sample taken from the tank vault.Tank was 500 gallon, no holes/corrosion observed.SVOC(Benzo group) levels are slightly above the TAGM, which can be artributed as fill material.NFA required.address corrected from 29-76 to 29-27 as per a request from Franklin Company(Bob).
Remarks:	CONTAMINATED SOIL FOUND AFTER PULLING TANK: 500 GALLON T ANK

Material:

Site ID:	377316

OFFICE BUILDING (Continued) **S108467715**

Operable Unit ID: 1134859
Operable Unit: 01
Material ID: 2124741
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AM204 **GETTY #344** **NY LTANKS** **U004062912**
East **31-05 QUEENS BOULEVARD** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY HIST UST**
0.379 mi. **NY AST**
2000 ft. **Site 1 of 2 in cluster AM** **NY Spills**

Relative:
Higher

Actual:
43 ft.

LTANKS:
Site ID: 377088
Spill Number/Closed Date: 0612273 / 2/8/2007
Spill Date: 2/8/2007
Spill Cause: Tank Overfill
Spill Source: Gasoline Station
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: SFRAHMAN
Referred To: Not reported
Reported to Dept: 2/8/2007
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 2/8/2007
Spill Record Last Update: 2/8/2007
Spiller Name: MIKE CARR
Spiller Company: LUK OIL
Spiller Address: 3105 QUEENS BLVD
Spiller City,St,Zip: LONG ISLAND, NY
Spiller County: 001
Spiller Contact: MIKE CARR
Spiller Phone: (518) 369-7822
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 309823
DEC Memo: All cleaned up.Sharif stopped by the site.
Remarks: DELIVERY OVERFILL AND IS ALL CLEANED UP: FDNY RESPONDED AND TYREE AND

GETTY #344 (Continued) **U004062912**

ABSORBANT USED AND LETTER REPORT TO BE FORWARDED TO DEC:

Material:

Site ID:	377088
Operable Unit ID:	1134643
Operable Unit:	01
Material ID:	2124520
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	40
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

UST:

Id/Status:	2-145688 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2014/04/08
UTM X:	589981.44035000005
UTM Y:	4511107.1311499998
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	4184
Affiliation Type:	On-Site Operator
Company Name:	GETTY #344
Contact Type:	Not reported
Contact Name:	SAMI RAFAAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0539
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2009

Site Id:	4184
Affiliation Type:	Emergency Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	SCOTT HANLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported

GETTY #344 (Continued) **U004062912**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 324-5110
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/3/2012

Site Id: 4184
Affiliation Type: Mail Contact
Company Name: GETTY PETROLEUM MARKETING, INC.
Contact Type: AUTHORIZED SIGNATURE FOR CLIENT
Contact Name: SCOTT HANLEY
Address1: 1500 HEMPSTEAD TURNPIKE
Address2: Not reported
City: EAST MEADOW
State: NY
Zip Code: 11554
Country Code: 001
Phone: (516) 542-4900
EMail: SHANLEY@GETTY.COM
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 4/4/2012

Site Id: 4184
Affiliation Type: Facility Owner
Company Name: GETTY PETROLEUM MARKETING, INC.
Contact Type: Not reported
Contact Name: Not reported
Address1: 1500 HEMPSTEAD TURNPIKE
Address2: Not reported
City: EAST MEADOW
State: NY
Zip Code: 11554
Country Code: 001
Phone: (516) 542-4900
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/3/2012

Tank Info:

Tank Number: 001
Tank ID: 28167
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

GETTY #344 (Continued) **U004062912**

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

G00 - Tank Secondary Containment - None
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 002
Tank ID: 28168
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

G00 - Tank Secondary Containment - None
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 003

GETTY #344 (Continued) **U004062912**

Tank ID: 28169
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 4000
Install Date: 06/01/1976
Date Tank Closed: 10/06/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 06/20/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/08/2009

Equipment Records:

D02 - Pipe Type - Galvanized Steel
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K01 - Spill Prevention - Catch Basin
A99 - Tank Internal Protection - Other
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 013
Tank ID: 59221
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None

GETTY #344 (Continued) **U004062912**

G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	014
Tank ID:	59222
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	11/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	015
Tank ID:	59223
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	11/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT

GETTY #344 (Continued) **U004062912**

Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 016
Tank ID: 59224
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None

Tank Number: 017
Tank ID: 59225
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

GETTY #344 (Continued) **U004062912**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 018
Tank ID: 59226
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 019
Tank ID: 59227
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000

GETTY #344 (Continued) **U004062912**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 020
Tank ID: 59228
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 021

GETTY #344 (Continued) **U004062912**

Tank ID: 59229
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 022
Tank ID: 59230
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 11/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
F00 - Pipe External Protection - None

GETTY #344 (Continued) **U004062912**

H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	023
Tank ID:	212675
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	05/22/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	JMKRIMGO
Last Modified:	07/14/2006

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number:	024
Tank ID:	212676
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	05/22/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	JMKRIMGO
Last Modified:	07/14/2006

Equipment Records:

GETTY #344 (Continued) **U004062912**

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 025
Tank ID: 212677
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 05/22/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: JMKRIMGO
Last Modified: 07/14/2006

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
I00 - Overfill - None

HIST UST:
PBS Number: 2-145688
SPDES Number: Not reported
Emergency Contact: LUIS OCHOTORENA
Emergency Telephone: (718) 729-6500
Operator: BARBIR SINGH
Operator Telephone: (718) 706-0317
Owner Name: LEEMILTS PETROLEUM INC
Owner Address: 125 JERICHO TURNPIKE
Owner City,St,Zip: JERICHO, NY 11753
Owner Telephone: (516) 338-6500
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: GETTY
Mailing Address: 125 JERICHO TURNPIKE

GETTY #344 (Continued) **U004062912**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	JERICHO, NY 11735
Mailing Contact:	SCOTT HANLEY
Mailing Telephone:	(516) 338-6500
Owner Mark:	Third Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/05/2001
Expiration Date:	01/03/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12420
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True

GETTY #344 (Continued) **U004062912**

Lat/long: Not reported

Tank Id: 014
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 015
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

GETTY #344 (Continued) **U004062912**

Tank Id:	016
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	017
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	018
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

GETTY #344 (Continued) **U004062912**

Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	019
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	020
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

GETTY #344 (Continued) **U004062912**

Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 021
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 022
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None

GETTY #344 (Continued) **U004062912**

Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-145688
Program Type:	PBS
UTM X:	589981.44035000005
UTM Y:	4511107.1311499998
Expiration Date:	2014/04/08
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	4184
Affiliation Type:	On-Site Operator
Company Name:	GETTY #344
Contact Type:	Not reported
Contact Name:	SAMI RAFAAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 433-0539
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/8/2009

Site Id:	4184
Affiliation Type:	Emergency Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	SCOTT HANLEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999

GETTY #344 (Continued) **U004062912**

Phone:	(718) 324-5110
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/3/2012

Site Id:	4184
Affiliation Type:	Mail Contact
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	AUTHORIZED SIGNATURE FOR CLIENT
Contact Name:	SCOTT HANLEY
Address1:	1500 HEMPSTEAD TURNPIKE
Address2:	Not reported
City:	EAST MEADOW
State:	NY
Zip Code:	11554
Country Code:	001
Phone:	(516) 542-4900
EMail:	SHANLEY@GETTY.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/4/2012

Site Id:	4184
Affiliation Type:	Facility Owner
Company Name:	GETTY PETROLEUM MARKETING, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1500 HEMPSTEAD TURNPIKE
Address2:	Not reported
City:	EAST MEADOW
State:	NY
Zip Code:	11554
Country Code:	001
Phone:	(516) 542-4900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/3/2012

Tank Info:

Tank Number:	004
Tank Id:	49455
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser

GETTY #344 (Continued) **U004062912**

L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/01/1997
Capacity Gallons:	240
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	005
Tank Id:	49456
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
D00 - Pipe Type - No Piping
J00 - Dispenser - None
A00 - Tank Internal Protection - None
I01 - Overfill - Float Vent Valve
B05 - Tank External Protection - Jacketed
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/1997
Capacity Gallons:	180
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	Waste Oil/Used Oil

Tank Number:	010
Tank Id:	49460
Material Code:	9999
Common Name of Substance:	Other

GETTY #344 (Continued) **U004062912**

Equipment Records:
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	04/01/1995
Capacity Gallons:	120
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	011
Tank Id:	49461
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	04/01/1995
Capacity Gallons:	280
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

GETTY #344 (Continued) **U004062912**

Tank Number: 012
Tank Id: 51892
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A99 - Tank Internal Protection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
B05 - Tank External Protection - Jacketed
D00 - Pipe Type - No Piping
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 12/01/1996
Capacity Gallons: 180
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 08/01/1997
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Waste Oil/Used Oil

Tank Number: 04A
Tank Id: 56352
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
B05 - Tank External Protection - Jacketed
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 02/01/1997
Capacity Gallons: 240
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported

GETTY #344 (Continued) **U004062912**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/08/2009
Material Name:	Lube Oil

SPILLS:

Facility ID:	0601451
DER Facility ID:	309823
Facility Type:	ER
Site ID:	363688
DEC Region:	2
Spill Date:	5/9/2006
Spill Number/Closed Date:	0601451 / 1/4/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	5/9/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/9/2006
Spill Record Last Update:	1/4/2007
Spiller Name:	MIKE CARR
Spiller Company:	GETTY #344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	001
Contact Name:	MIKE CARR
Contact Phone:	(518) 369-7822
DEC Memo:	This site is contaminated, but this spill number is closed out and referenced to spill #0513247
Remarks:	soil staining under dispenser: will dig out: please see spill # 05-13247

Material:

Site ID:	363688
Operable Unit ID:	1121753
Operable Unit:	01
Material ID:	2111237
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

GETTY #344 (Continued) **U004062912**

Oxygenate: False

Tank Test:

Facility ID: 0601907
DER Facility ID: 309823
Facility Type: ER
Site ID: 364262
DEC Region: 2
Spill Date: 5/22/2006
Spill Number/Closed Date: 0601907 / 10/24/2008
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: smsanges
Referred To: Not reported
Reported to Dept: 5/22/2006
CID: 444
Water Affected: Not reported
Spill Source: Gasoline Station
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: True
Remediation Phase: 0
Date Entered In Computer: 5/22/2006
Spill Record Last Update: 10/24/2008
Spiller Name: JOSEPH GAVIN
Spiller Company: GETTY #00344
Spiller Address: 3105 QUEENS BLVD
Spiller City,St,Zip: LONG ISLAND, NY
Spiller Company: 001
Contact Name: JOSEPH GAVIN
Contact Phone: (631) 694-9696
DEC Memo: Tyree report says: Joints were tightened & "re-doped". Sump is contained. Lines and leak detectors were tested and passed.
Remarks: 2 LEAKING DISPENSERS #3 & 4: AND CONATINED FOUND DURING INSPECTION

Material:
Site ID: 364262
Operable Unit ID: 1122294
Operable Unit: 01
Material ID: 2111767
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

GETTY #344 (Continued) **U004062912**

Tank Test:

Facility ID:	0513247
DER Facility ID:	309823
Facility Type:	ER
Site ID:	359705
DEC Region:	2
Spill Date:	2/17/2006
Spill Number/Closed Date:	0513247 / 10/24/2008
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	2/17/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/17/2006
Spill Record Last Update:	10/24/2008
Spiller Name:	ROBERT
Spiller Company:	MONTGOMERY DISTRIBUTORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	ROBERT DELGADIO
Contact Phone:	(516) 683-0200
DEC Memo:	Couplings in dispensers leaking into containment pans.Pumps shut down. Repairs made. System pressure tested/passedvac out dispenser pans.Tyree report says NO soil dig out. Spill was to sealed containment under dispenser. Lines were tightened and "re-doped" stains to cement "drive mat" No product loss - System pressure tested & Passed.
Remarks:	SHEER VALVES LEAKING AND POOR INVENTORY AND DRY STAINING:

Material:

Site ID:	359705
Operable Unit ID:	1116900
Operable Unit:	01
Material ID:	2107352
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

GETTY #344 (Continued) **U004062912**

Oxygenate: False

Tank Test:

AM205 **GETTY S/S #344 - GETTY PROPERTIES** **NY LTANKS** **S104278677**
East **31-05 QUEENS BLVD** **NY MANIFEST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY Spills**
0.379 mi.
2000 ft. **Site 2 of 2 in cluster AM**

Relative:
Higher

Actual:
43 ft.

LTANKS:

Site ID:	298006
Spill Number/Closed Date:	9909630 / 12/2/2004
Spill Date:	11/8/1999
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	11/8/1999
CID:	233
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/8/1999
Spill Record Last Update:	12/2/2004
Spiller Name:	Not reported
Spiller Company:	GETTY #344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241103
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"04/12/04TRANSFERRED FROM ODOWD TO VOGUHT12/2/04-Vought-This spill closed and referred to open spill #0009849.
Remarks:	u/g tank failed test tyree to make repair retest to be schedule

Material:

Site ID:	298006
Operable Unit ID:	1084383
Operable Unit:	01
Material ID:	298706
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	298006
Spill Tank Test:	1547824
Tank Number:	Not reported
Tank Size:	4000
Test Method:	20
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	USTest 2000/P/LL plus USTest 2000/U

Site ID:	298004
Spill Number/Closed Date:	0009849 / 1/5/2007
Spill Date:	11/30/2000
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	WXSUN
Referred To:	Not reported
Reported to Dept:	11/30/2000
CID:	389
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/30/2000
Spill Record Last Update:	1/5/2007
Spiller Name:	Not reported
Spiller Company:	GETTY GAS STATION
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY -
Spiller County:	001
Spiller Contact:	ERIC EWALD
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241103
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"3/14/03 REASSIGNED FROM ROMMEL TO VOUGHT.08/31/2005 - Feng - Transferred from Vought to Feng.10/18/2005 - Feng - Spill#: 04-10119 has been consolidated into this spill#.10/27/2005 - Feng - Quarterly Monitoring Report, 8/2005 - 10/2005. 4 monitoring wells onsite. and

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

there are 4 proposed SVE wells located in north and south side of former 10 (550-gallon) USTs. groundwater flows to north at depth of 24.79' to 27.07' bg. W-1, BTEX below MDL most of the time, MTBE, decreasing, 83ppb this quarter. W-2, below MDL. W-3, both decreasing, 181 BTEX and MTBE below MDL. W-4, below MDL all the time.2/27/2006 - Feng - Quarterly Monitoring Report, 11/2005 - 1/2006. The site is an active Getty gasoline retail station. Groundwater flows to norht at the depth of 24.71' to 27.58' bg. 4 monitoring wells onsite. W-1, MDL BTEX, decreased and 25 ppb MTBE. W-2, MDL both. W-3, decreased and 118 ppb BTEX, increased and 20 ppb MTBE. W-4, MDL both. (RJF)08/21/2006-Sun-Quarterly Monitoring Report, April 2006 - July, 2006. The site is an active Getty gasoline retail station. Groundwater flows to norht at the depth of 24.61' to 25.49' bg. 4 monitoring wells onsite. W-1, MDL BTEX, 26.4 ppb MTBE. W-2, MDL both. W-3, dry, and W-4, MDL both. (Sun)01/05/07: Based on the Quarterly Report dated 10/16/06, BTEX concentrations are non-detect and MTBE concentrations ranged from non-detect to 15 ppb. Spill is closed and NFA letter will be issued. (Sun)

Remarks: CALLER REPORTING A SPILL OF PETROLEUM FOUND TO BE INPACTED SOIL LIKELY FROM A TANK FAILURE. NO CLEAN UP AS OF YET AND NO CALLBACK NECESSARY

Material:

Site ID:	298004
Operable Unit ID:	830828
Operable Unit:	01
Material ID:	543782
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYR000043505
Country:	USA
Mailing Name:	GETTY PETROLEUM CORP
Mailing Contact:	STEVE GORDON
Mailing Address:	31-05 QUEENS BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-706-0317

NY MANIFEST:

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

No Manifest Records Available

SPILLS:

Facility ID:	0807230
DER Facility ID:	241103
Facility Type:	ER
Site ID:	404569
DEC Region:	2
Spill Date:	9/25/2008
Spill Number/Closed Date:	0807230 / 11/24/2008
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	9/26/2008
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/26/2008
Spill Record Last Update:	6/15/2009
Spiller Name:	ROBERT HOLLAND
Spiller Company:	GETTY 344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	ROBERT HOLLAND
Contact Phone:	(631) 404-5355
DEC Memo:	Aboveground motor oil tank. Oil poured into interstitial space while tank was being filled.
Remarks:	CALLER STATES THAT THERE WAS MOTOR OIL FOUND IN THE INTERSTIAL SPACE OF A TANK. NO PRODUCT WAS SPILLED. THERE WAS ALSO AN0THER PRODUCT FOUND IN THE SUMP. PUMP OUT IS PENDING.

Material:

Site ID:	404569
Operable Unit ID:	1161216
Operable Unit:	01
Material ID:	2152409
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	404569

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Operable Unit ID:	1161216
Operable Unit:	01
Material ID:	2152410
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9705058
DER Facility ID:	241103
Facility Type:	ER
Site ID:	298005
DEC Region:	2
Spill Date:	7/28/1997
Spill Number/Closed Date:	9705058 / 12/2/2004
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	7/28/1997
CID:	266
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/28/1997
Spill Record Last Update:	12/2/2004
Spiller Name:	LOU OCHOTORENA
Spiller Company:	GETTY OIL CORPORATION
Spiller Address:	30-23 GREEN POINT AVENUE
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"12/5/03-Vought-Transferred from O'Dowd to Vought on 12/5/03.12/2/04-Vought-This spill closed and referred to open spill #0009849.
Remarks:	7 YARDS OF CONTAMINATED SOIL FOUND DURING REMOVAL OF A 550 GALLON WASTE OIL TANK.

Material:

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Site ID:	298005
Operable Unit ID:	1048381
Operable Unit:	01
Material ID:	334280
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0902163
DER Facility ID:	241103
Facility Type:	ER
Site ID:	414198
DEC Region:	2
Spill Date:	5/22/2009
Spill Number/Closed Date:	0902163 / 9/24/2009
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	4101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	5/22/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/2009
Spill Record Last Update:	9/29/2009
Spiller Name:	MATT BOECKEL
Spiller Company:	GETTY 344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	999
Contact Name:	MATT BOECKEL
Contact Phone:	(631) 249-3150
DEC Memo:	05/22/09 CSL was sent to Getty Petroleum Marketing1500 Hempstead TurnpikeEast Meadow, NY 11554Attn: Scott Hanley08/31/09- Tyree sent the Subsurface Investigation Report dated June/22/09. The report stated that the piping and the four(4) product dispensers were removed in May 2009. The USTs has been drain of all fuel and are scheduled to be abondoned. On May 22,2009 the subsurface investigation activities were initiated , Based upon recent analytical datas it appears that the source of the soil and

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

groundwater contamination is located in the area of the USTs and pump island.A total of seven (7)soil/groundwater borings were installed as part of the investigation. Soil samples were collested from ground surface to depths ranging from thirty-five(35) feet to forty (40) feet below grade. Groundwater was encountered at (27) feet below grade.The analytical results for soil samples indicate No VOCs exceeding the RSCOs. Some SVOC'S were slighly exceding the RSCOs for the samples ND-W, ND-E, WD-N, WD-S and B-TFE(13-14 ft).The analytical results for grounswater indicate Methyl-tert Butyl Ether and Benzene slighly exceeding the RSCOs. SVOC"s ara not exceding the RSCOs.As per Scott Hanley Getty Marketing (516) 542-5023 and Kevin Shean Getty Realty Corporation (516) 478-5400 there is no plan for developing the site until 20015. The site is going to be used for vehicle repair inside and for storage of vehicle outside. Getty Marketing leased the property. Getty Realty Corporation owns the property. Spill Closed

Remarks: CALLER STATES THAT THEY GOT TEST RESULTS BACK FROM A PHASE 2 SHOWING SOIL CONTAMINATION CLEAN UP IS PENDING.

Material:

Site ID:	414198
Operable Unit ID:	1170588
Operable Unit:	01
Material ID:	2162324
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0800383
DER Facility ID:	241103
Facility Type:	ER
Site ID:	396128
DEC Region:	2
Spill Date:	4/10/2008
Spill Number/Closed Date:	0800383 / 7/9/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	4/10/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/10/2008
Spill Record Last Update:	7/9/2008
Spiller Name:	MIKE CARR\\
Spiller Company:	GETTY#344
Spiller Address:	3105 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	MIKE CARR\\
Contact Phone:	(518) 369-7822 CELL
DEC Memo:	Tyree Closure letter dated 7/8/2008 states:"The above noted site utilizes one 4,000 gallon premium grade gasoline underground storage tank (UST), one 4,000 gallon regular grade gasoline UST and one 4,000 gallon diesel fuel UST. On April 10, 2008 WCC Tank Technology, Inc. performed an inspection of the interior tank lining for all three USTs. The results of the inspection revealed that the tanks failed on the visual inspection and the tank lining thickness. The tanks did pass on the tank metal thickness. It should also be noted that the three tanks were tightness tested and all passed, as such there was no release to the environment. A copy of the tank inspection report is included with this report. The NYSDEC was immediately notified and spill No. 08-00383 was assigned to the site. The three tanks were re-lined subsequent to the initial inspection. On June 20, 2008 the three tanks and the associated piping system were tightness tested. The results of the tightness test indicated that all of the tanks and the associated piping passed. A copy of the tightness testing report is included with this report."Based on this information, the DEC is closing this spill case.
Remarks:	LINE TEST FAILED

Material:

Site ID:	396128
Operable Unit ID:	1153074
Operable Unit:	01
Material ID:	2143854
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0410119
DER Facility ID:	241103
Facility Type:	ER
Site ID:	335029
DEC Region:	2
Spill Date:	12/11/2004
Spill Number/Closed Date:	0410119 / 10/18/2005

GETTY S/S #344 - GETTY PROPERTIES (Continued) **S104278677**

Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	rjfeng
Referred To:	Not reported
Reported to Dept:	12/11/2004
CID:	27
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/13/2004
Spill Record Last Update:	10/18/2005
Spiller Name:	Not reported
Spiller Company:	GETTY #344
Spiller Address:	31-05 QUEENS BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	08/31/2005 - Feng - Transferred from Vought to Feng.10/18/2005 - Feng - spill consolidated with spill #: 00-09849 in same location.
Remarks:	Caller reports a car backed into a gas pump. Spill is contained in the dispencer sump and it has been cleaned up. Callers cell number is 518.369.7822.

Material:

Site ID:	335029
Operable Unit ID:	1097138
Operable Unit:	01
Material ID:	577091
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	2
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

206
South
1/4-1/2
0.398 mi.
2102 ft.

BLACK BEAR COMPANY
27-10 HUNTERS POINT AVE
QUEENS, NY

NY LTANKS

S106972606
N/A

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	345633
Spill Number/Closed Date:	0501474 / 8/16/2005
Spill Date:	5/5/2005
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	5/5/2005
CID:	71
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/5/2005
Spill Record Last Update:	11/9/2007
Spiller Name:	ABRAHAM WEXLER
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	ABRAHAM WEXLER
Spiller Phone:	(718) 731-7011
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	291869
DEC Memo:	5/6/05 mt/// tank now being emptied, ttf letter sent///////5/23/05 mt//// tank emptied and cleaned, may be closed in place//attempted calling # in fax..Not in service.5/31/05 mt/updating//black bear company retained Richard Baldwin to conduct investigation//8/16/05 Tipple observed samples from gw interface, no visual or olfactory evidence of petroleum contamination//Tank must be removed or properly abandon in place as soon as feasible, no further action necessary to remediate contaminants at this site.Spill Closed
Remarks:	WET PORTION LEAK

Material:

Site ID:	345633
Operable Unit ID:	1103350
Operable Unit:	01
Material ID:	583562
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2500

BLACK BEAR COMPANY (Continued) **S106972606**

Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 345633
Spill Tank Test: 1548874
Tank Number: Not reported
Tank Size: 7500
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 5/5/2005
Test Method: Horner EZ Check I or II

AN207 **LOVOUR HOME** **NY LTANKS** **S108639404**
NNE **2512 41ST AVE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.399 mi.
2107 ft. **Site 1 of 2 in cluster AN**

Relative:
Higher

Actual:
34 ft.

LTANKS:
Site ID: 380071
Spill Number/Closed Date: 0700688 / 2/17/2010
Spill Date: 4/18/2007
Spill Cause: Tank Test Failure
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: bkfalvey
Referred To: Not reported
Reported to Dept: 4/18/2007
CID: 444
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/18/2007
Spill Record Last Update: 2/17/2010
Spiller Name: ERIC LOVOUR
Spiller Company: LOVOUR HOME
Spiller Address: 2512 41ST AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 001
Spiller Contact: ERIC LOVOUR
Spiller Phone: (718) 392-2123
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 329555

LOVOUR HOME (Continued) **S108639404**

DEC Memo: 4/25/07 bf: sent ttf letter to:Eric LevorQueens Plaza Realty Corp.25-12 41 AvenueLong Island City, NY 11101-38825/25/07 received passing tightness test results by fax from Eric Lovor. Tried calling him at number on fax:(718)392-2123. No answer. To close this spill, he needs to submit a response to ttf letter. bf5/29/07 Called E. Levor again and there was no answer. Called Emergency Contact # from PBS facility info (718)263-2418 and left message to call me back. bf6/4/07 Called E. Levor at (718)392-2123. The number is no longer in service. I then left a message at (718)263-2418. bf6/5/07 Received 2 messages from Edith Levor to call back. (718)392-2123. Called her at 3:45 Pm and she said that the tank failed the test because there were two sets of vent pipes. The old vent pipe was never disconnected. She said she will call Advanced Tank after she hangs up with me and have them prepare a response to the ttf letter. bf11/8/07 Called E. Levor. Left message that i still have not received letter from Advanced Tank and to call me back. Called Vinnie the Tank Doctor (718)727-0666. He said that there was an open line from a hot water heater and he plugged the line. No contaminated soil was found. He faxed paperwork to E. Levor. He was not in his office and requested I call him Monday. He will check to see if he still has the fax. bf11/26/07 Received message from E. Levor. Called her back and left message on her machine. bf1/22/10 Inspected site and issued NOV for expired registration, failure to monitor unmetered tank for leaks, and failure to contain/reomve petroleum discharge. Administrative settlement conference is scheduled for 2/17/10 at 10:30 AM. bf2/17/10 PBS Settlement Conference held today. Attended by Edith and Eric levor. Provided 6/7/07 letter from Tank Doctor Inc. stating that 2 unused lines from top of tank were disconnected in building. Removed lines and tank retested and passed. NFA. bf

Remarks: PBS No: 2-607688

Material:

Site ID:	380071
Operable Unit ID:	1137562
Operable Unit:	01
Material ID:	2127510
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	380071
Spill Tank Test:	1550766
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	4/18/2007

LOVOUR HOME (Continued) **S108639404**

Test Method: Horner EZ Check I or II

AO208 **APRT** **NY LTANKS** **S108983070**
NNE **2403 41ST AVE** **N/A**
1/4-1/2 **QUEENS, NY**
0.417 mi.
2203 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
28 ft.

LTANKS:

Site ID:	393128
Spill Number/Closed Date:	0711618 / 4/2/2008
Spill Date:	2/4/2008
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	2/4/2008
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/2008
Spill Record Last Update:	3/30/2009
Spiller Name:	MARLIN JOSEPH
Spiller Company:	APRT
Spiller Address:	2403 41ST AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	MARLIN JOSEPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	112
DEC Region:	2
DER Facility ID:	342746
DEC Memo:	2/21/08 Called Dominic Casamento (718)278-0806. left message to call me back. Sent ttf letter to:Dominic Casamento2403 41st LLC14-38 31st DriveLong Island City, NY 11106Mr. Casamento called back later in the day. He said Petroleum Tank Cleaners will be coming back on Monday to make necessary repairs. He said they told him it was a dry leak. I confirmed the above address as his mailing address. He is on vacation and will be returning Monday. bf4/2/08 received fax from M. Salamack of PTC. Tank was emptied and lines and tank were isolated. vent line was hit by a vehicle as tank is under a driveway area. Vent line was replaced to a different area to prevent future accidents. Tank was retesed 3/10/08 and passed. Test results attached. NFA. bf
Remarks:	DRY PORTION LEAK

Material:

APRT (Continued) **S108983070**

Site ID: 393128
Operable Unit ID: 1150101
Operable Unit: 01
Material ID: 2140683
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 393128
Spill Tank Test: 2384605
Tank Number: Not reported
Tank Size: 1500
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 2/4/2008
Test Method: Horner EZ Check I or II

AN209 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100153363**
NNE **40-40 CRESCENT ST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.419 mi.
2214 ft. **Site 2 of 2 in cluster AN**

Relative:
Higher

Actual:
34 ft.

LTANKS:
Site ID: 271352
Spill Number/Closed Date: 9105613 / 3/14/2003
Spill Date: 8/23/1991
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 8/23/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/17/1991
Spill Record Last Update: 10/24/2003
Spiller Name: Not reported

CLOSED-LACKOF RECENT INFO (Continued) **S100153363**

Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	220855
DEC Memo:	Not reported
Remarks:	THREE 2K TANKS SIPHONED. PETROTITE.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	271352
Operable Unit ID:	956119
Operable Unit:	01
Material ID:	421399
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	271352
Spill Tank Test:	1538951
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AO210 **24-03 41ST AVE** **NY LTANKS** **U003066518**
NNE **24-03 41ST AVE** **NY UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.420 mi.
2219 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
30 ft.

LTANKS:

Site ID:	174701
Spill Number/Closed Date:	8709565 / 2/25/1993
Spill Date:	2/10/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	2/25/1993
Cleanup Meets Standard:	False

24-03 41ST AVE (Continued) **U003066518**

SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	2/10/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/23/1988
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	LAMBERT PETA
Spiller Address:	24-03 41ST. STREET
Spiller City,St,Zip:	L.I.C., NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	146914
DEC Memo:	Not reported
Remarks:	-0.491 G.P.H. DETECTED LEAK RATE COMING FROM A 1500 GALLON TANK . THE COMPANY OWNING THE TANK HAS BEEN NOTIFIED BUT HAS NOT CONFIRMED ANY ACTIONS REGARDING THIS FAILURE.

Material:

Site ID:	174701
Operable Unit ID:	914644
Operable Unit:	01
Material ID:	464893
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	174701
Spill Tank Test:	1533215
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

24-03 41ST AVE (Continued) **U003066518**

UST:
- Id/Status: 2-095265 / Active
- Program Type: PBS
- Region: STATE
- DEC Region: 2
- Expiration Date: 2017/06/12
- UTM X: 589499.50413000002
- UTM Y: 4511838.0478299996
- Site Type: Apartment Building/Office Building

Affiliation Records:
- Site Id: 2629
- Affiliation Type: Facility Owner
- Company Name: 2403 41ST LLC
- Contact Type: OWNER
- Contact Name: DOMINIC CASAMARO
- Address1: 14-38 31 DRIVE
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11106
- Country Code: 001
- Phone: (718) 278-0806
- EMail: Not reported
- Fax Number: Not reported
- Modified By: MSBAPTIS
- Date Last Modified: 3/27/2012

- Site Id: 2629
- Affiliation Type: Mail Contact
- Company Name: 2403 41ST LLC
- Contact Type: Not reported
- Contact Name: DOMINIC CASAMENTO
- Address1: 14-38 31 DRIVE
- Address2: Not reported
- City: LONG ISLAND CITY
- State: NY
- Zip Code: 11106
- Country Code: 001
- Phone: (718) 278-0806
- EMail: DCANDS@ACK.COM
- Fax Number: Not reported
- Modified By: MSBAPTIS
- Date Last Modified: 3/27/2012

- Site Id: 2629
- Affiliation Type: On-Site Operator
- Company Name: 24-03 41ST AVE
- Contact Type: Not reported
- Contact Name: MANUEL MUNOZ
- Address1: Not reported
- Address2: Not reported
- City: Not reported
- State: NN
- Zip Code: Not reported
- Country Code: 001
- Phone: (347) 228-7882

24-03 41ST AVE (Continued) **U003066518**

EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 4/5/2007

Site Id: 2629
Affiliation Type: Emergency Contact
Company Name: 2403 41ST LLC
Contact Type: Not reported
Contact Name: DOMINIC CASAMENTO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (201) 259-1434
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 4513
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 1500
Install Date: 12/01/1950
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 03/04/2013
Next Test Date: 03/04/2018
Pipe Model: Not reported
Modified By: BKFALVEY
Last Modified: 07/29/2013

Equipment Records:

G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None

211
NNW
1/4-1/2
0.421 mi.
2222 ft.

MANHOLE 14413
QUEENS PLAZA NORTH
QUEENS, NY

NY LTANKS
NY Spills

S104950693
N/A

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	63771
Spill Number/Closed Date:	0100062 / 6/16/2003
Spill Date:	4/3/2001
Spill Cause:	Tank Failure
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	4/3/2001
CID:	382
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/3/2001
Spill Record Last Update:	6/16/2003
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, NY
Spiller County:	001
Spiller Contact:	FIREFIGHTER GIORDANO
Spiller Phone:	(917) 769-0483
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	61550
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks:	saddle tank on tractor trailer became dislodged and spilled oil onto roadway and did enter sewer system. hazmat on scene

Material:

Site ID:	63771
Operable Unit ID:	838626
Operable Unit:	01
Material ID:	539338
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MANHOLE 14413 (Continued) **S104950693**

Tank Test:

SPILLS:

Facility ID:	0403163
DER Facility ID:	162666
Facility Type:	ER
Site ID:	195222
DEC Region:	2
Spill Date:	6/22/2004
Spill Number/Closed Date:	0403163 / 9/23/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	6/22/2004
CID:	41
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2004
Spill Record Last Update:	9/23/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	e2mis no 153985U.G. REPORTS FINDING APPROX 2 QTS OF AN UNKNOWN OIL ON APPROX 1000 GALS OF WATER. PCB SAMPLE TAKEN. Lab Sequence Number: 04-04877-001PCBs < 1 ppmTHE SAMPLE HAD THE PCB SURROGATE OUT OF THE QC LIMITS. RE-EXTRACTION AND RE-ANALYSIS WAS NOT POSSIBLE SINCE ALL OF THE ORIGINAL SAMPLE WAS UTILIZED. THE REPORTED PCB VALUE IS THE MINIMUM CONCENTRATION DETECTED IN THE SAMPLE.STANFORD ENVIROMENTAL OPS REPORTS EATHREN SUMP IN STRUCTURE.UPDATE: 22-JUN-2004 STANFORD REPORTS DOUBLE WASHED STRUCTURE WITH BIO GEN 760. REMOVED ALL LIQUIDS. SEALED SUMP.
Remarks:	2 quarts unknown oil - earthen sump found in manhole. Queens Plaza North at Crescent Street.

Material:

Site ID:	195222
Operable Unit ID:	886628
Operable Unit:	01
Material ID:	490758
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported

MANHOLE 14413 (Continued) **S104950693**

Material FA:	Petroleum
Quantity:	2
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

212
NW
1/4-1/2
0.425 mi.
2242 ft.

Relative:
Higher

Actual:
18 ft.

STRUCTURAL DISPLAY CO., INC **NY LTANKS** **S103824757**
12-12 23RD AVENUE **N/A**
LONG ISLAND CITY, NY 11106

LTANKS:

Site ID:	164528
Spill Number/Closed Date:	9814023 / 9/5/2012
Spill Date:	7/7/1998
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2/19/1999
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/19/1999
Spill Record Last Update:	9/5/2012
Spiller Name:	Not reported
Spiller Company:	1212 43RD AVE
Spiller Address:	1212 23RD AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	138718
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"4/12/04-Vought-Spill transferred from Tomasello to Rommel as per Rommel.04/11/06 - DER rem Bureau E staff sent out RFI letter to site owner (Rwz LLc). Department gave owner until 4/28/06 to respond.04/20/06 - Staff received call from Liam Horgan (212.785-0266 liam@art-corp.net), Assessment Resources & Technologies, Inc. (hired by owner), indicated he would send site data to Department. ORC remediation of groundwater is ongoing. 07/19/06 - Staff received

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

remedial summary report from Assessment Resources & Technologies, Inc. (A.R.T., Inc.). Report indicates site has been treated with ORC using injection field of wells since October 2003. The reports indicates that the ORC Injection Field is effectively remediating the groundwater contamination. Additional monitoring well sampling is planned for August 2006. 08/14/06 - DER, Bureau E staff received call from Bob Corroon (representing RWZ LLC)requesting status of site closure by Department. Staff indicated project transferred back down to region 2. It is anticipated that they willl review data gathered in August and make a determination as to whether or not site can be closed.05/29/07 - DER, Bureau E staff received call from Bob Corroon (representing RWZ LLC)(rcorroon@ix.netcom.com and (212)751-4620, ext 103) requesting status of site closure by Dept and an interest to close spill. Evidently, property is up for sale. Staff indicated project transferred back down to Region 2. Staff to provide Mr. Corroon with Regional project contact. Staff provided information to Mr. Corroon, via email, in P.M. on May 29.10/24/07-Zhune discussed with Randy and based on the data he asked me to transfer this case to the remediation group. 02/20/08 - Debra Shapiro, consultant for the current site owner called and asked about the report prepared by ART company to make further recommendations of investigation, remedy or closure. Debra stated ART's report was prepared by ART for the previous site owner and she does not have it. I asked Zhune to locate report if available.6/4/2008 Mimi from ELM (212-581-8023 ext 3) called to ask about the status of the report. She sent another copy of her companies plan in early May 2008. After the call Sangesland tracked the report to Vadim's office. Mimi will contact Vadim to set up a new case manager and a file review by DEC.6/4/08 DEC Case Manager transferred from V. Brevdo to J.A. Maisonave. - JAM6/26/08 Telephone conversation with Mimi R. from ELM. We discussed rpt dated May 5, 2008. Conceptual remedy is to excavate two areas of soil contamination. Latest GW results are from July 2007, and suggest no adverse impacts to GW. DEC suggests that an up to date round of GW samples be collected to verify. We will schedule a meeting when GW sample results are available. Rpt is uploaded to eDocs as three different files. - JAM7/18/08 Received a memo today via email from ELM summarizing groundwater sampling results for the July 7, 2008 sampling event. Minor concentrations of VOCs were detected in the wells downgradient of the former tank field (Benzene detected at 363ug/L and total VOCs at 571ug/L in well MW-1(ART)). Memo uploaded to eDocs. - JAM7/23/08 Meeting held at Region 2 offices on July 22, 2008.Attendence:Joseph Maisonave, NYSDECJonathan Kolleeny, NYSDECMimi Raygorodetsky, ELMDik Glass, RLIC RealtyMichael DelCioppo, RLIC RealtyMeeting was held to discuss future remedial plans for site. ELM's first proposal was to excavate two areas of site; northwest corner and north central areas have soil contamination.Issues:1) The northwest corner of the site, location of the two former USTs, has residual soil (from 10'-18') and groundwater contamination (Benzene and MTBE detected in July 2008 sampling event). ELM will excavate the area but requests leaving a 1:1 slope on the sidewall adjacent to the sidewalk to eliminate the requirement to shore and stabilize the sidewalk.The NYSDEC does not suggest leaving a 1:1 slope because the most contaminated soil (based on boring logs and analytical sampling) will be left in place. The NYSDEC requests a proposal to fully address soil contamination in the northwest corner.2) The north-central area of the site contains 2 oil/water separators and petroleum impacts were observed in the field, however, laboratory

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

data were returned with no exceedences for VOCs. ELM requests leaving that soil in place after removing the oil water separators.The NYSDEC requests that two groundwater monitoring wells be installed directly downgradient from the oil water separators and sampled to be sure that groundwater is not impacted. Grossly contaminated soil should be removed when removing the oil/water separators and end-point soil samples should be collected.I expect a summary report for the installation of the two wells with groundwater analytical results and a remedial action proposal for the soil in the northwest corner of the site. - JAM8/25/08 Spoke to Mimi R. today. The current structure foundation was removed as well as two oil water separators and 1 UST. No end-point samples were collected. ELM is proposing doing GPR to locate more potential USTs and installing the 2 downgradiet monitoring wells that the DEC requested in the last meeting. - JAM9/18/08 Reviewed the Spill Investigation and Remediation Work Plan dated Sept. 3, 2008 submitted by ELM. The work plam proposes the following:1. Use ground-penetrating radar to conduct a geophysical survey and to determine whether there are any remaining underground tanks.2. Advance a minimum of 3 soil borings, one in each location of two oil/water separators and one UST, which were removed during deconstruction of the former building.3. Install two monitoring wells in the northeast portion of the site.4. Inject RegenOx in the area of the former USTs in the norhtwest portion of the site.I sent an approval letter today with one requirment. Confirmatory soil sampling must be performed subsequent to the RegenOx injections. Soil borings should be advanced as close as possible to former "T" boring locations to collect confirmatory samples.ELM also plans to install a vapor barrier and a passive venting system beneath the foundation of the new structure, which will be built on the northern portion of the site. The rest of the site will be capped with either asphalt, concrete of clean fill. The work plan and the approval letter are uploaded to eDocs. - JAM9/22/08 ELM notified Dennis McChesney at the EPA about the RegenOx injection, as per EPA UIC Program regulations. EPA will review and respond. - JAM10/03/08 Visited the site today. ELM advanced 5 soil borings yesterday and installed the two monitoring wells along 43rd Ave today. Visibly contaminated soil and odors were observed in each soil boring, however PID readings were relatively low (max reading was around 200ppm). Soil samples were taken at each boring from the interval with the highest PID reading, which was directly above the water table at each boring location. The RegenOx injection will occur when EPA UIC Program approval is given. - JAM10/20/08 Spoke with Rich Kampf at ELM. ELM proposes to expand the RegenOx injection area to include the "D-boring" area. I verbally approved this proposal and asked for a formal addendum to the remedial work plan. I requested that ELM submit the supporting calculations for the amount of RegenOx to be injected. I also requested the Investigation Summary Report from work performed in early October 2008 be submitted as well. - JAM10/29/08 Reviewed the Addendum to Spill Investigation and Remediation Work Plan submitted by ELM dated October 29, 2008. This addendum summarizes investigations performed on October 2 and 3, 2008 as per the approved work plan date September 3, 2008. ELM advanced 5 soil borings (SB-1 through SB-5) and installed 2 monitoring wells at locations SB-4 and SB-5. Evidence of soil contamination was found near the water table (interval 10-15 feet) in all soil borings. Compounds detected were Ethylbenzene, Xylenes and Naphthalene. Groundwater contamination was observed in both wells MW-4 and MW-5. Compounds detected were

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

Benzene, Ethylbenzene, Xylene and Naphthalene. Please see table in report for concentrations.ELM proposes expanding RegenOx injections to address contamination observed in this area (D-boring area). ELM will inject 200lbs of RegenOx in each of 23 injection points. A total of 4,200 lbs of RegenOx will be injected at the D-boring area. Rpt is uploaded to eDocs.I sent a letter today approving this work plan. Confirmatory soil and groundwater sampling must be conducted quarterly beginning one month after the RegenOx injections to evaluate its effectiveness. Approval letter uploaded to eDocs. - JAM10/30/08 RegenOx injections commenced in the T-boring area today. I visited the site to witness the first injection point. ELM estimates the injections will take 8 days for both the T-boring and D-boring areas. - JAM12/10/08 Received call from Mimi Raygorodetsky and follow-up email was received from Nicole Gorelick. ELM will perform confirmatory soil & GW sampling at site on 12/11/08 and 12/12/08 to evaluate effectiveness of RegenOx injections. Email is uploaded to eDocs. - JAM12/15/08 Received a call from Nicole Gorelick at ELM. Soil borings were advanced in the T-boring area and the D-boring area on Friday, 12/12/08 to evaluate the effectiveness of the RegenOx injections. When trying to sample wells ELMMW-5 and MW-1 (ART), they appeared to be damaged from construction activities on-site and could not be sampled. Ms. Gorelick said she will be back at the site tomorrow to sample wells MW-2 (ART), MW-3 (ART) and ERMMW-5. A summary report will be submitted when results are available. - JAM12/16/08 Visited site today. I walked site with Mimi Raygorodetsky and Nicole Gorelick from ELM and saw 5 wells, two of which were damaged by construction activities (MW-1 ART and ELMMW-4). I said that these monitoring wells may need to be reinstalled based on results from other 3 monitoring wells, which were sampled today. A rpt summarizing soil samples collected last week and GW samples collected today will be submitted. - JAM1/12/09 Received an email report today from ELM titled Post-Injection Effectiveness Monitoring. ELM completed the in-situ chemical oxidation using RegenOx from October 30 through November 12, 2008. The effectiveness monitoring consisted of collecting soil samples from five soil borings and groundwater samples from accessible wells on- and off-site.Monitoring wells ELM MW-4, MW-2(ART) and MW-3(ART) were sampled on December 16, 2008. MW-1 (ART) and ELM MW-5 were not sampled because they were destroyed by construction activities on-site. Groundwater quality improved significantly in well ELM MW-4, however, groundwater quality in MW-2 (ART) showed increases for Benzene and MTBE. VOC concentrations in MW-3(ART) remained non-detect.Soil samples showed some improvement post-injection, however there were also increases in some conpounds that ELM attributes to sample variability and intervals between separate sample events were not exactly duplicated.Since the overall soil and groundwater conditions improved, ELM proposes that no additional injection rounds be performed in the T and D boring areas. ELM says that ELM MW-1 will be replaced within the next two weeks and groundwater monitoring events will continue. Email report uploaded to eDocs. - JAM1/14/09 Emailed Mimi Raygorodetsky at ELM and said that DEC would like to see GW results from replacement well MW-1 before determining if future injections are not necessary. - JAM1/15/09 Received a call from Nicole Gorelick at ELM. They will be reinstalling well MW-1 tomorrow morning and sampling the well next Friday. - JAM2/3/09 Received an email from Mimi Raygorodetsky at ELM on 2/2/09. Monitoring well ELM MW-1R was installed on January 16, 2009 to replace the previously

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

destroyed well ART-MW-1. ELM MW-1R was installed out of the building footprint and approximately 10 feet away from the previous well (see figure). The well was sampled on January 23, 2009 and while purging, petroleum odors and a sheen were observed. Groundwater sample results showed eight VOCs detected above TOGS. Most notable was Benzene at 267ug/L.Since sediments was noted in well ELM MW-4 during the last sampling event, ELM attempted to purge the well on January 19. 2009. While purging, petroleum odors and a sheen was observed.I spoke with Mimi today and sent a follow-up email which stated:"I have reviewed the data you have provided in the last two emails. The DEC will not require additional remediation at this time; however, quarterly groundwater monitoring should continue for at least two additional events and monitoring reports should be submitted to the DEC for review. Based on those groundwater results, additional sampling may be required."ELM's email is uploaded to eDocs. - JAM7/15/09 Received a "Remedial Action Report" prepared by ELM dated June 26. 2009. The report summarizes all investigative and remedial work performed on-site to date, including a summary of the Phase I and Phase II Site Investigations. The following is included in the report:Section 3 REMEDIATION1. Pre-demolition removal of ASTs, one 1,200-gallon lube oil UST, sediment from trenches and drains within the on-site structures and oil and sludges from the oil-water separators located on-site - Jan 2008.2. Removal of 2 oil-water separators and an adjacent UST during demolition from the D-boring area - July 2008.3. RegenOx injection program - Oct 3 - Nov 12, 2008.4. Effectiveness monitoring of soil and groundwater - Dec 2008.5. Re-installation and sampling of ELM-1R in the T-boring area - Jan 2009.6. Soil excavation and removal for construction purposes - Nov 2008 - Feb 20097. Installation of passive SSDS - Feb 20098. Installation of a 15-ml poly sheeting soil vapor barrier - Feb 2009.9. Capping of the site with impermeable surfaces and clean fill in landscaped area - Scheduled for Spring 2009.10 Qrtly GW monitoring - Ongoing.The report is uploaded to eDocs without the Attachments. - JAM7/21/09 Reviewed the Quarterly Groundwater Sampling Report submitted by ELM on July 1, 2009. On April 24, 2009, groundwater samples were collected from groundwater monitoring wells ART MW-2 and ART MW-3. ELM-MW-1R was found to be filled with sediment and could not be sampled and ELM-MW-5 was destroyed during construction activities. ELM-MW-4 contained 1.1 feet of free product and could not be sampled. Total VOC concentrations from ART-MW-2 and ART-MW-3 are 108ug/L and 46ug/L, respectively. Report uploaded to eDocs.I called Mimi Raygorodetsky at ELM today to discuss future work. Mimi said that on Friday, July 24, 2009, ELM will perform another round of groundwater sampling, collect a sample of the product for fingerprint analysis, and perform the first product recovery event. Product recovery will be performed weekly, thereafter. I also requested that at least 3 monitoring wells be installed. Two to replace the destroyed wells ELM-MW-1R and ELM-MW-5, and one to installed downgradient and across the street of ELM-MW-4 and ELM-MW-5. I also requested that an up-to-date groundwater flow direction be calculated.ELM will submit a work plan to reinstall the wells within 2 weeks. - JAM8/31/09 Reviewed the Spill Investigation and Remediation Work Plan submitted by ELM dated August 7, 2009 and submitted via email on August 18, 2009. ELM proposed gauging and bailing product from well ELMMW-4 on a weekly basis and to collect a sample of the product for fingerprint analysis. The first gauging and bailing event occurred on July21, 2009. A sample of the product was collected on that date as

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well.Additional work includes reinstalling monitoring wells ELMMW-1R and ELMMW-5 that were destroyed during construction of the new building. An off-site monitoring well will be installed down-gradient and across the street from ELMMW-4.I wrote a letter today approving the work plan with the following adjustments:1.Vacuum enhanced fluid recovery should be implemented on ELMMW-4.2.At least one additional monitoring well should be installed approximately 15 to 20 feet to the east of well ELMMW-4 to delineate the free product plume. If product is encountered in this well, another well should be installed further to the east.3.Soil sampling should be conducted during installation of the well across 43rd Avenue and the well to the east of well ELMMW-4. Soil should be continuously screened with a PID. Two (2) soil samples should be collected from each well for laboratory analysis: one sample from the soil interval with the highest PID reading, and another sample from the interval directly above the water table. If there are no elevated PID readings, only the sample from above the water table need be collected.The work plan and my approval letter are uploaded to eDocs. - JAM10/1/09 Received Quarterly Groundwater Monitoring Rpt for 3rd Qtr 2009 submitted by ELM via email on 9/30/09 and dated 8/28/09. GW samples were collected from wells ART MW-2 and ATR MW-3 on July 24, 2009. Wells ELM MW-1 and ELM MW-5 were not sampled because they were destroyed and well ELM MW-4 was not sampled because it contained 3.3 feet of free product. Sample results showed very minor levels of dissolved phase VOCs in ART MW-2 and ART MW-3. ELM states that there was an overall reduction in VOCs since RegenOx injection. Report with sample result tables is uploaded to eDocs.ELM has been monitoring the wells weekly for free product and, if free product is detected it is being hand bailed. On 10/1/09 I visited the site to observe the first vacuum enhanced fluid recovery event on well ELM MW-4. Additional wells will be drilled as per my letter dated 8/31/09. A summary report of all product gauging and recovery events will follow. - JAM10/16/09 Received updated weekly product recovery table submitted by ELM. On October 15, 2009, well ELM-MW-4 contained 0.22ft of free product, which was recovered using a bailer. The delineation wells are scheduled to be installed on Monday, October, 26. - JAM10/23/09 Received updated weekly product recovery table submitted by ELM. On October 22, 2009, well ELM-MW-4 contained 0.19ft of free product, which was recovered using a bailer. Delineation wells will be installed next week 10/26 through 10/28. - JAM10/28/09 Visited site today to observe install'n of 4 additional monitoring wells. At time of my visit, three wells were installed and none showed any signs of contamination. Next week all wells will be surveyed and sampled for dissolved phase contamination. - JAM12/2/09 Reviewed the Product Recovery Table submitted by ELM on 11/20/09 and 12/2/09. The last three recovery events are tabulated below:Date Prod. dpth DTW P.Thck Final DTW Prod Removed10/29/09 16.35 16.53 0.18 16.86 0.4 11/18/09 14.33 14.46 0.13 14.58 0.2 12/2/09 14.46 14.62 0.16 14.75 1.2 ELM will continue to visit the site to recover product weekly. A report will be submitted summarizing the installation of the additional monitoring wells. - JAM3/19/10 Reviewed Well Install'n and Quarterly Groundwater Sampling Rpt for 4th Qtr 2009 submitted by ERM, dated Dec. 17, 2009. On October 27 and 28, 2009, 2 new monitoring wells and 2 replacement wells were installed. Soil samples were collected from new wells only because soil data is already available for replacement wells. According to data, no VOCs or SVOCs were detected that exceeded SCOs in either of newly installed monitoring wells. Free product also was not observed in any of 4

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newly installed wells.Groundwater samples were collected from all accessible wells without product on November 4, 2009 (ELM MW-4 was not sampled because it contained free product). No VOCs or SVOCs were detected in groundwater samples from ELM MW-6 and ELM MW-7 exceeding NYSDEC TOGS. The other wells each contained several VOCs, with some VOC concentrations exceeding TOGS.On October 1, 2009, ERM performed one VEFR event on well ERM MW-4 and removed approx. 50 gallons of free product/water mixture. ERM recommends continuing to sample GW quarterly for at least 2 more quarters. Product continues to be bailed from ERM MW-4 on a weekly basis. Well Installation and Quarterly Groundwater Sampling Report is uploaded to eDocs. - JAM3/19/10 Received call from Mimi Raygorodetsky and Jesse Mausner at ERM. In Feb. 2010, approx. 1.5 feet of free product was measured in well ERM-MW-4. ERM plans to schedule another VEFR event. I advised ERM to install more wells and/or soil borings in close proximity to well ERM MW-4 to determine where product originated from. Due to heavy rain events, product may have been desorbed from soil column near well ERM MW-4. Recommendations for future work will be included in next quarterly monitoring rpt (to be submitted). - JAM4/28/10 Reviewed the Quarterly Monitoring Report submitted by ELM dated April 8, 2010 submitted via email on April 16, 2010. Groundwater samples were collected on February 3, 2010 and results continue to show a reduction of VOCs in ELM-MW-1R, ART-MW-2 and ART-MW-3. The report does not summarize free product gauging and recovery events since April 2009. The next sampling event is scheduled for May 2010. Report uploaded to eDocs.I issued an email today notifying the RP that product monitoring and recovery should be performed monthly and that DEC should receive monthly updates. I also requested that the data from the monthly events be summarized in the quarterly monitoring/sampling reports. Email uploaded to eDocs. - JAM4/29/10 Received Free Product Remdiation Scope of Work submitted by ELM on April 28, 2010 via email. Work plan proposes using Laser Induced Fluorescence / Ultraviolet Optical Scanning Tool (LIF/UVOST) to delineate free product plume around ELM-MW-4. LIF/UVOST will be advanced into subsurface using direct-push geoprobe and will obtain real time scan of subsurface. ELM proposes installing permanent monitoring wells where mobil phase product is detected.I issued an approval letter on April 28, 2010 with the following requirements:1. Each boring should be extended to a depth 5 feet below the water table or the extent feasible since bedrock is shallow in the area.2. At any location where residual or free phase petroleum contamination is encountered, a permanent monitoring well should be installed. At a minimum, one monitoring well should be installed between existing wells ELM-MW-4 and ELM-MW-73. During monitoring well installation, soil should be continuously screened with a PID. Soil samples should be collected from the soil interval with the highest PID reading, and another sample from the interval directly above the water table. If there are no PID readings but contamination was detected using UVOST, then a soil sample should be collected from depth intervals where UVOST detected contamination.The work plan and approval letter are uploaded to eDocs. - JAM5/7/10 Site Visit. LIF/UVOST investigation completed today with six borings advanced around ELM-MW-4. Free phase product was observed in four of the six borings around well ELM-MW-4. Three monitoring wells will be installed and soil and grounwater samples will be collected.Product is delineated toward the street. Product most likely extends beneath the building. A summary report will be submitted when soil and groundwater sample results are

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

returned. -JAM6/8/10 Spoke to Emily from ELM today. All the wells were gauged this month and approx. 5 inches of product was contained in well ELM-MW-4. She will submit a letter documenting the gauging event and will include a submission date for the investigation summary report. - JAM03/01/11: This spill case transferred from J. Maisonave to J. Kolleeny. Reviewed LNAPL Remediation Rpt by ELM, dated 2/17/11 (in eDocs). Rpt presents product gauging data and GW sampling data, showing free product in well ELM-MW4 has been reduced to 0.08 ft; most notable dissolved-phase impact was in well ELM-MW-1R2, which had 100 ug/L of benzene in Oct. 2010 (up from 65 ug/L benzene in July 2010). Rpt requests spill closure. I sent letter (in eDocs) to Michael Del Cioppo, cc's to Dik Glass, Emily Guyer & Mimi Raygorodetsky, saying spill cannot yet be closed due to measurable free product and other impacts; required continued product recovery (suggested by vac truck), and quarterly GW sampling, until no measurable product in wells, at which point spill closure will be reconsidered. - J. Kolleeny08/23/11: On Aug. 5, 2011, spoke with Emily Guyer of ELM (consultant), discussed various approaches to product recovery and conditions for spill closure. She suggested use of absorbent socks to remove product from well MW-4, which has persistent small amounts of product (several inches). I agreed to give this a try, since she indicated that vac truck was not very effective and constant use would be cost prohibitive. I also requested GW sampling on at least semi-annual basis. On 8/15/11, received email from Ms. Guyer with attached memo (in eDocs) summarizing our discussion and proposing use of absorbent socks and semi-annual sampling as remedial approach moving forward, and stating that once sufficient data are collected, ELM will re-evaluate effectiveness of this approach. On 8/23/11, I sent email (in eDocs) to Michael Del Cioppo, cc's to Emily Guyer, Mimi Raygorodetsky & Pete Zimmerman of ELM, approving this proposal. - J. Kolleeny07/25/12: Received phone call from Mimi Raygorodetsky of ELM, stating that they've been following approved plan of absorbent socks/manual bailing of traces of product in well MW-4, and as of April 2012, there has been no LNAPL in well; they then performed a round of GW sampling and found very low VOC levels (below TOGS); she stated they will submit a letter rpt summarizing product recovery work, GW sampling results, and requesting spill closure. - JK08/08/12: Received email from Mimi R. of ELM, asking if I've had chance to review closure request rpt she sent over on 7/25/12. I responded that I never received rpt. She determined that because rpt pdf file, sent by email on 7/25/12, was "secured" (ELM does this for all their pdfs that have an electronic signature), DEC's servers would not accept email with attachment. She unsecured rpt and re-sent. Will review. - J. Kolleeny08/20/12: After review of ELM's Product Recovery Rpt and Request for Spill Closure dated 7/23 12 (in eDocs), I sent email to Mimi Raygorodetsky on 8/15/12 noting that rpt contains inconsistencies in text and graph regarding product thickness, in hundredths of inches vs. hundredths of feet. Mimi replied that my observation is correct; they will revise rpt and re-issue under cover name of Integral Consulting, which has taken over ELM. - J. Kolleeny09/05/12: On 9/4/12, received Revised Product Recovery Rpt and Request for Spill Closure by Integral Consulting, Inc., dated 8/27/12 (in eDocs). Rpt summarizes measurement and recovery of free product in well MW-4 since DEC approved use of absorbent socks to address product in that well, and results of round of GW sampling performed on 6/6-7/12. Rpt presents graph showing product thickness

STRUCTURAL DISPLAY CO., INC (Continued) **S103824757**

in inches from 7/26/11 through 5/21/12, with measurements fluctuating from about 2.5 to 4.5 inches until 4/1/12, after which product thickness decreased dramatically and then was non-detect for 4 events. Text states that 1.08 inches of product (i.e., 0.09 ft) were detected on 4/13/12, but that no measurable product has been detected in well for four separate events since 4/19/12. GW samples collected in June 2012 from 6 on-site and 4 off-site wells (including well MW-4) showed low levels of VOCs in several wells, up to about 70 ug/L total VOCs in ELM-MW-5R. These minor impacts appear to be adequately delineated by clean (or nearly clean) sentinel wells, indicating there is no off-site migration of contamination. Based on absence of measurable free product in MW-4 for 4 consecutive gauging events and minor, delineated residual dissolved GW impacts with no off-site migration, Integral requests spill closure. On 9/5/12, I closed spill case and sent spill closure letter (in eDocs) by email to Michael Del Cioppo, cc's to Mimi Raygorodetsky, James L'Esperance & Pete Zimmerman of Integral, advising in email that DEC should be notified when wells have been decommissioned and provided with documentation of this. - J. Kolleeny

Remarks: TESTED TANK. TANK FAILED.

Material:

Site ID:	164528
Operable Unit ID:	1074904
Operable Unit:	01
Material ID:	310729
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	164528
Spill Tank Test:	1546863
Tank Number:	Not reported
Tank Size:	10000
Test Method:	99
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Alternate Test per 613.5a2v

213
WNW
1/4-1/2
0.428 mi.
2262 ft.

INTERNATIONAL MASONRY INS
12-07 44TH AVE
LONG ISLAND CITY, NY

NY LTANKS **S105055142**
N/A

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	197925
Spill Number/Closed Date:	0103153 / 3/31/2006
Spill Date:	6/21/2001
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/21/2001
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/21/2001
Spill Record Last Update:	3/31/2006
Spiller Name:	DENNIS HOLLOWAY
Spiller Company:	INTERNATIONAL MASONRY INS
Spiller Address:	12-07 44TH AV
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	DENNIS HOLLOWAY
Spiller Phone:	(718) 706-9139
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	164722
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"12/30/02 TJDInternational Masonary Institute contacted to provide a summary of activities at site including complete analytical data from sampling event. Fax transmission with incomplete data had been received. Demeo left message with John Cozultini who will have the appropriate individual repond to NYSDEC request for addional information.1/2/02 TJDDennis Holaway (International Masonary Institute) called today in response to DEC request for additional information. A complete set of laboratory data faxed to DEC this morning. Lab analysis reveals chemical concentrations above TAGM. Remedial work is required.Tank is reportably a 2,500 gal UST buried inside building. No PBS registration is found for this address. Mr. Hollaway was provided contact information for (5) environmental contractors. A contractor will be selected and a work plan submitted.Based on 11/28/01 tank closure report - which indicated only SVOC contamination - and 10/5/01 DEC Region 2 telephone conference which requested soil borings per approved work plan, additional borings were advanced and analyzed and determined that fill across site placed during construction of building was contaminated with low level SVOC's. Case closed.

INTERNATIONAL MASONRY INS (Continued) **S105055142**

Remarks: Not reported

Material:
Site ID: 197925
Operable Unit ID: 839740
Operable Unit: 01
Material ID: 535248
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 197925
Spill Tank Test: 1526410
Tank Number: 1
Tank Size: 3000
Test Method: 03
Leak Rate: 0
Gross Fail: F
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

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214 West 1/4-1/2 0.432 mi. 2279 ft.

Relative: Lower

Actual: 13 ft.

ANDREA ELECTRONICS **NY LTANKS S102959964**
11-40 45TH DRIVE **NY MANIFEST N/A**
LONG ISLAND CITY, NY

LTANKS:
Site ID: 179039
Spill Number/Closed Date: 9709895 / 12/17/2002
Spill Date: 11/25/1997
Spill Cause: Tank Test Failure
Spill Source: Non Major Facility > 1,100 gal
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 11/25/1997
CID: 282
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0

ANDREA ELECTRONICS (Continued) **S102959964**

Date Entered In Computer: 11/25/1997
Spill Record Last Update: 3/4/2003
Spiller Name: ANDREW FALINO
Spiller Company: ANDREA ELECTRONICS
Spiller Address: 11-40 45TH DRIVE
Spiller City,St,Zip: LONG ISLAND CITY, NY 11101-
Spiller County: 001
Spiller Contact: ANDREW FALINO
Spiller Phone: (718) 729-8500
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 150284
DEC Memo: Not reported
Remarks: Anthony Sigona from DEC was on the scene also.tank failed the test he did not get the name of the electrical manufacturing factory PBS number is 2-195383

Material:
Site ID: 179039
Operable Unit ID: 1052939
Operable Unit: 01
Material ID: 328224
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 179039
Spill Tank Test: 1545485
Tank Number: 1
Tank Size: 10000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

NY MANIFEST:
EPA ID: NYD001360692
Country: USA
Mailing Name: ANDREA RADIO
Mailing Contact: ANDREA RADIO
Mailing Address: 11-40 45TH ROAD
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11104
Mailing Zip4: Not reported

ANDREA ELECTRONICS (Continued) **S102959964**

Mailing Country: USA
Mailing Phone: 718-729-8500

NY MANIFEST:
No Manifest Records Available

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215 West 1/4-1/2 0.437 mi. 2307 ft.

Relative: Lower

Actual: 12 ft.

11-15 45TH AVENUE **NY LTANKS** **S102672507**
11-15 45TH AVENUE **N/A**
LONG ISLAND CITY, NY

LTANKS:
Site ID: 265495
Spill Number/Closed Date: 9402499 / 5/20/1994
Spill Date: 5/20/1994
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 5/20/1994
Cleanup Meets Standard: True
SWIS: 4101
Investigator: CAMMISA
Referred To: Not reported
Reported to Dept: 5/20/1994
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/25/1994
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported
Spiller Company: GOTHAM PETRO
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 216332
DEC Memo: Not reported
Remarks: SPILL CONTAINED ON SIDEWALK - CLEAN UP CREW ON SCENE (GOTHAM).

Material:
Site ID: 265495
Operable Unit ID: 996297
Operable Unit: 01
Material ID: 382692
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum

11-15 45TH AVENUE (Continued) **S102672507**

Quantity:	-5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

216
North
1/4-1/2
0.437 mi.
2308 ft.

Relative:
Higher

Actual:
27 ft.

GULF MOKIN GAS **NY LTANKS** **S106124280**
23-01 41ST AVE **NY Spills** **N/A**
LONG ISLAND CITY, NY

LTANKS:

Site ID:	237638
Spill Number/Closed Date:	0308076 / 1/7/2004
Spill Date:	10/30/2003
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	10/30/2003
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	10/30/2003
Spill Record Last Update:	2/6/2004
Spiller Name:	Not reported
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	777 DEDHAM ST
Spiller City,St,Zip:	CANTON, MA 02021-
Spiller County:	001
Spiller Contact:	BRIAN BERKLE
Spiller Phone:	(610) 278-7203
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	195731
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "K FOLEY"12/15/03 Letter addressed to Sigona from Environmental Systems Group. On 10/30/03, Crompco conducted precision test on tanks. One 4000gal diesel UST failed the test. Energy Storage Systems reviewed the test data and suggested the test technician failed to plug the air eliminator on the pumps and therefore the tanks failed. On 12/9/03, Crompco retested the tanks and plugged the air eliminator and the tank passed.12/19/03Spoke to Andy at Energy Storage systems.As per Sigona’s recommendation, he will submit a report

GULF MOKIN GAS (Continued) **S106124280**

summarizing the first and second testing episodes. Rommel12/23/03
Received letter from Mort Turoff at Energy Storage systems
summarizing first and second tests. Diesel tank passed on 12/9/03
retest. Results on file. (KMF)1/9/04 Sent NFA. (KMF)
Remarks: liquid level failure

Material:
Site ID: 237638
Operable Unit ID: 874384
Operable Unit: 01
Material ID: 568462
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 406141
Spill Number/Closed Date: 0808735 / 8/28/2009
Spill Date: 11/3/2008
Spill Cause: Tank Test Failure
Spill Source: Gasoline Station
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 11/3/2008
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/3/2008
Spill Record Last Update: 8/28/2009
Spiller Name: TJ OCONNOR
Spiller Company: GULF STATION
Spiller Address: 23-01 41ST AVE
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 999
Spiller Contact: TJ OCONNOR
Spiller Phone: (516) 678-5115
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 195731

GULF MOKIN GAS (Continued) **S106124280**

DEC Memo: TTF1/15/09. J.Krimgold reviewed the letter-report submitted by Energy Fueling systems Corp and dated 12/22/08. According to the information provided in this letter, a 2000 gal tank failed the test due to a damaged (cut)vent pipe. The failed pipe was abbendoned in place and new pipe run was installed. Tank with pipe was retested and passed the test. NFA.
Remarks: TANK TEST FAILURE ON A 2000 GALLON UST. UNK IF ANY PRODUCT WAS SPILLED.

Material:
Site ID: 406141
Operable Unit ID: 1162749
Operable Unit: 01
Material ID: 2154029
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 406141
Spill Tank Test: 2486875
Tank Number: 1
Tank Size: 2000
Test Method: 21
Leak Rate: 0
Gross Fail: Not reported
Modified By: JMKRIMGO
Last Modified: 1/15/2009
Test Method: Horner EZY3/EZY3 Locator Plus

SPILLS:
Facility ID: 9611967
DER Facility ID: 195731
Facility Type: ER
Site ID: 298938
DEC Region: 2
Spill Date: 1/3/1997
Spill Number/Closed Date: 9611967 / 1/10/1997
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: KATZ
Referred To: Not reported
Reported to Dept: 1/3/1997
CID: 267
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Fire Department

GULF MOKIN GAS (Continued) **S106124280**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/3/1997
Spill Record Last Update:	9/23/2009
Spiller Name:	MR GOODE
Spiller Company:	C DAVISON TRUCKING
Spiller Address:	2824 AVE X
Spiller City,St,Zip:	BROOKLYN, NY 11235-
Spiller Company:	001
Contact Name:	FF REGAN
Contact Phone:	(718) 476-6288
DEC Memo:	Not reported
Remarks:	tank truck making a delivery to gas station and spilled 25 gallonsdue to air in the line gasoline is now in the sewer systemreq dec call back ff regan at 917-769-0483

Material:

Site ID:	298938
Operable Unit ID:	1039826
Operable Unit:	01
Material ID:	340614
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

217
SSW
1/4-1/2
0.453 mi.
2391 ft.

SPILL NUMBER 0208486 **NY LTANKS** **S105997319**
23-30 50TH AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Lower

Actual:
9 ft.

LTANKS:

Site ID:	268804
Spill Number/Closed Date:	0208486 / 11/17/2003
Spill Date:	11/15/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	11/15/2002

SPILL NUMBER 0208486 (Continued) **S105997319**

CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/15/2002
Spill Record Last Update:	11/17/2003
Spiller Name:	ANTHONY VERDERAM
Spiller Company:	Not reported
Spiller Address:	23-30 50TH AVE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	ANTHONY VERDERAM
Spiller Phone:	(718) 786-1100
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	218966
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"Sent tank test failure letter to Varderame. 11/15/2002 ARS11/14/2003-Vought-Reviewed report dated 6/26/03 from Verderame Realty (Bruce Bauer 718-786-1100). Site will no longer be using oil and will be converting to gas. Closure of a 2000-gallon #2 fuel oil UST and collection of post excavatin endpoint samples by Bluestone Environmental (Andrew Cozzi 732-469-5188). "The UST excavation base was at approximately 8 to 8.5 feet below the concrete floor". "The soil in the excavation was a fill that consisted of dark brown sand with construction debris such as bricks and pieces of concrete". Five soil samples were submitted for analyses for 8260/8270. Soil analyticals show two 1,3,5-trimethylbenzene exceedances up to 9110ppb, benzo(a)anthracene up to 1010ppb, benzo(a)pyrene up to 631ppb, benzo(b)fluoranthene up to 1110ppb, benzo(k)fluoranthene up to 579ppb, and chrysene up to 1210ppb. These exceedances are attributable to fill material. Spill closed by Vought after conference with DEC Rommel.
Remarks:	tank test failure - it will be cleaned and retested next week

Material:

Site ID:	268804
Operable Unit ID:	859901
Operable Unit:	01
Material ID:	565791
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	268804
Spill Tank Test:	1527719

SPILL NUMBER 0208486 (Continued) **S105997319**

Tank Number:	1
Tank Size:	2500
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

218
ESE
1/4-1/2
0.453 mi.
2391 ft.

Relative:
Higher

Actual:
31 ft.

32-32 QUEENS BLVD/SUNOCO **NY LTANKS** **S100145562**
32-32 QUEENS BLVD **N/A**
NEW YORK CITY, NY

LTANKS:

Site ID:	310058
Spill Number/Closed Date:	8905358 / Not Reported
Spill Date:	8/30/1989
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	4/9/2004
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	RJFENG
Referred To:	OFFSITE IWP AND A RAWP DUE 1/13/2012
Reported to Dept:	8/30/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	1
Date Entered In Computer:	8/31/1989
Spill Record Last Update:	7/26/2013
Spiller Name:	Not reported
Spiller Company:	SUNOCO AA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	250287
DEC Memo:	3/94: MW-4 had a sheen of product. MW-1 had 7500 ppb, MW-2 had 9600 ppb and MW-3 had 350 ppb of benzene.8/94: Installed MW-5,6 & 7. MW-4 had 0.19 ft of LPH. Depth to water 13 ft. The SVE system is operable and manifolded to MW-2,3 & 4. MW-1 had 3000 ppb, MW-2 had 5200 ppb, MW-3 had 360 ppb, MW-5 had 1400 ppb, MW-6 had 590 ppb and MW-7 had 24 ppb benzene. Sunoco will investigate and submit current tank test results. 12/10/2003 Reassigned from Tipple to Sun.02/03/2004-Sun-File Update by Sun:Quarterly Monitoring and Sampling Report (October through December 2003), by EnviroTrac (Anthony Fiorentine,

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

631-471-1500): On 11/08/2003, liquid phase hydrocarbons (LPH) were detected in MW-4 at a thickness of 0.20 feet (ft.). The depth to water ranged from 22.78 ft. (MW-6) to 26.00 ft. (MW-4) below the surface on 11/8/2003. Six (6) wells (MW-1,2, 3, 5, 6 & 7) were sampled on 11/8/2003. BTEX concentrations ranged from not detected (ND) in 3 of the 7 wells to 58,000 micrograms per liter (ug/l) (MW-2).MTBE concentrations ranged from ND (MW-3) to 3,800 ug/l (MW-7). On 11/8/2003 and 12/21/2003, a three percent Biosolve surfactant and water solution was injected into MW-4. MW-4 was then han surged with a surge block and groundwater was removed from a down-gradient well (MW-7) with a submersible pump. LPH was not detected during the December 2003 short term remediation event (STRE).03/11/2004-Sun-File Update by Sun: On 03/10/2004, Sun sent a letter and Stipulation Agreement to Russell Hammond of Sunoco requiring complete delineation of soil and groundwater contamination, submittal of an Investigation Summary Report followed by a Remedial Action Plan. The Department set a deadline of March 31, 2004 for signing the Stipulation Agreement by the Respondent.10/31/05: Project reassigned from Sun to Andersen. Enhanced fluid recovery and Biosolve application are being utilized in two hotspots, MW2 and MW4.12/8/05: December 8 meeting between Sunoco, DEC, and EnviroTrac. Biosolve remediation is not very successful. EnviroTrac and Sunoco think that source may be present and plan to do soil borings to identify source. Soil is likely very heterogenous. Site is now a pay commuter parking lot, so work can only be done on weekends.1/4/06: Reviewed the quarterly report dated January 2006. Six wells sampled on November 20, 2005. Trace amounts of LPH in MW-4. Max BTEX 28,300 (MW-2) and 560 ppb (MW-2). Biosolve last used in August 2005. 5/3/06: Reviewed the first quarterly 2006 report. Wells sampled on 1/21/06. LPH is present in MW 4 at a depth of 0.25 ft. Max BTEX 22,900 in MW2. Max MTBE 91 ppb in MW7. Sent RAP required letter, due 7/3/06.8/18/06: Meeting on 8/17/06 with Sunoco, EAR, and NYSDEC. RAP submitted. Regenox will be used. Three monthly Regenox installations will be completed. Regenox will be injected into twelve temporary borings, with injection span the vertical interval 15 to 35 feet below grade. Monitoring wells will be gauged and sampled monthly during Regenox application. RAP approved.10/20/06: First mobilization to drill borings for Regenox application will occur on 10/21/06 8am-4pm.11/9/06: Second mobilization for Regenox application will occur on 11/11/06.12/18/06: Sent email to Jamie Brown of EAR to followup on status of next quarterly report. Received email from Jamie Brown:"The next report will be completed and submitted to you mid - January 2007. Please let me know if you have any other questions."2/13/07: Emailed Jamie Brown to followup on the status of the next quarterly report.2/20/07: Reviewed update report. Regenox in use. Wells sampled on 12/23/06. Max BTEX 58,900 ppb (MW4), max MTBE 220 ppb (MW7). LPH in MW2 at depth of 0.48 ppb. 3/23/07: Meeting on 3/22/07 with Sunoco, NYSDEC, and EnviroTrac. LPH appeared last quarter because the Regenox mobilized contaminants. The second phase of Regenox application may be scheduled for April 2007.4/13/07: Regenox application scheduled for 4/14/07.6/11/07: Received update report. Wells sampled on 3/24/07. Max BTEX 37,400 ppb (MW4), max MTBE 120 ppb (MW7). LPH in MW2 at a depth of 0.29 ft. Product recovered from MW2 and an absorbent sock put in well. Overall decrease in contaminant concentration. 10/12/07: Emailed Russell Hammond regarding overdue report.10/16/07: Received email from Russell Hammond. Report will be submitted by the end of this week.3/18/08:

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

Reviewed October 2007 - December 2007 Project Status Report. Max BTEX 47,100 ppb (MW4). Max MTBE 140 ppb (MW2). When will the next phase of Regenox application occur?3/19/08: Received email from Karen Waryas (Waryas@ENVIRO-ASMNT.COM):"Phase 2 of the Regenox application at SUN-LIC32-32 occurred in April andMay of 2007. It was mentioned in the June 2007 PSR, but regretfully wasnot put into the site history section of the September or December 2007PSRs. I apologize for this oversight, and it will be remedied forfuture submissions. I put in an inquiry with my supervisor today as towhen the third phase is expected to occur and will let you know as soonas I hear any information."5/15/08 - Carlson: Reviewed January - March 2008 Project Status Report. Wells sampled on 3/22/08. Maximum BTEX concentration 23,600 ppb (MW2). Maximum MTBE concentration 74 ppb (MW2). Geochemical parameters are being monitored to evaluate progress of Regenox. When will third phase of Regenox occur?9/4/08 - Carlson: Reviewed April - June 2008 Project Status Report. Wells sampled on 6/28/08. Maximum BTEX concentration 31,800 ppb (MW2). Maximum MTBE concentration 110 ppb (MW7). General increase in contaminant concentrations. When will third phase on Regenox application occur?10/8/08 - Carlson: Meeting with Russell Hammond of Sunoco and Karen Waryas of EAR. Regenox won't be used again. Workplan for soil borings due by 10/30/08. A new RAP will be required afterwards. 11/5/08 - Carlson: Received email with Subsurface Summary letter. Email stated that a workplan will be submitted in two weeks.12/22/08 - Carlson: Reviewed July 2008 - September 2008 Project Status Report. Wells sampled on 9/20/08. Maximum BTEX concentration 29,700 ppb (MW2). No mention of overdue workplan in report. Emailed Karen to followup on workplan submittal.12/29/08 - Carlson: Received email from Karen. Workplan will be submitted when Russell Hammond gets back from vacation.1/8/09 - Carlson: Approved investigation workplan for installation of three soil borings.1/28/09 - Carlson: Reviewed September 2008 - December 2008 Update Report. Wells sampled on 12/20/08. Maximum BTEX concentration 37,620 ppb (MW4). On-site borings will be completed.1/29/09 - Carlson: Meeting with Sunoco and Envirotrac.4/5/09 - Carlson: Received investigation letter-report dated April 8, 2009. Three soil borings installed. High soil impact in all borings. A workplan for additional soil delineation will be submitted by may 8th.5/22/09 - Carlson: Reviewed update report. Wells sampled on 3/28/09. Maximum BTEX concentration 37,700 ppb (MW4). Maximum MTBE concentration 64 ppb (MW2). Workplan for additional delineation overdue.6/1/09 - Carlson: Meeting held with Sunoco and EAR.6/5/09 - Carlson: Reviewed work plan dated 5/29/09. Five soil borings proposed. Sent email requiring revision workplan with 1) deeper minimum boring depth to account for smear zone and 2) continuous sampling of entire boring for all on-site borings except SB1. Revised work plan due in 30 days.8/6/09 - Carlson: Approved revised work plan. Investigation Report due in 90 days.10/6/09 - Carlson: Reviewed update report. Wells sampled on June 27, 2009. High dissolved concentrations in MW2 and MW4. No update on work plan implementation provided.12/3/09 - Carlson: Reviewed update report. Wells sampled on 9/19/09. Trace LNAPL in MW1. Maximum BTEX concentration 27,800 ppb (MW2). Investigation report overdue.12/8/2009 - Carlson: Meeting with Sunoco. Upgradient source?, access issue on upgradient property.3/18/2010 - Carlson: Received notification. Field work scheduled for 3/20/2010.3/19/2010 - Carlson: Reviewed October 2009 - December 2009 Quarterly Update Report. LNAPL sheen in MW1 in October 2009. However, low dissolved concentrations

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

in MW1 in December 2009. Field work cancelled, will probably be rescheduled for next Saturday.4/7/2010 - Carlson: Received notification - field work scheduled for 4/7 and 4/10.7/2/2010 - Carlson: Reviewed January - March 2010 update report and RIR. SB4 - SB 6 installed. Soil and gw impact in SB4. Three more borings will be installed, as per 7/17/09 work plan.9/9/2010 - Carlson: Reviewed April - June 2010 Quarterly Report. SB- 7 - 9 installed. Soil impact in SB- 4, 7, 8, 9. Issued letter requiring work plan for installation of three monitoring wells at SB-4, SB-7, and to the south of SB-9, and one soil boring adjacent to MW1. Due 10/11/2010.1/31/11 - Obligado - I reviewed an investigation workplan. The workplan didn't propose a well at SB7. I emailed a letter to Jaime Brown and Russel hammond requiring revised work plan with well at SB7. Due within 15 days.3/30/11 - Obligado - I reviewed a revised work plan which incorporated the changes I requested. Sent approval letter.11/28/11 - Carlson: Reviewed 2nd and 3rd Quarter 2011 Update Reports. MW8-10 installed. Groundwater impact in all three new monitoring wells. 11/30/11 - Carlson: Issued letter requiring an off-site delineation work plan and a remedial action plan by 1/13/2012.2/10/2012 - Carlson: Reviewed December 2011 update report. Delineation workplan and RAWP to be submitted.1/10/2013 - Reviewed 1Q2012 dated 4/2012, 2Q2012 dated 7/2012 and 3Q2012 dated 10/2012. DTW 22.57 (MW-7) to 28.44 (MW-8) on 9/15/2012. MW-6, 30 BTEX, 1.2 MTBE. MW-2, 25,100 BTEX, less than 140 MTBE. MW-9, 34,030 BTEX, less than 400 MTBE. MW-4, 18,399 BTEX, less than 250 MTBE. MW-8, 798 BTEX, less than 76 MTBE. MW-7, 2,790 BTEX, less than 100 MTBE. MW-1, 18.1 BTEX, less than 13 MTBE. MW-3, 10.3 BTEX, less than 21 MTBE. MW-10, 15,740 BTEX, less than 93 MTBE. 4/5/2013 - 4Q2012, 1/9/2013, by CGE. Groundwater sampled on 12/15/2012. DTW 22.87 (MW-7) to 28.62 (MW-8). NO LNAPL. MW-6, 96 BTEX. MW-9, 27,650 BTEX, less than 190 MTBE. MW-4, 23,210 BTEX, less than 280 MTBE. MW-8, 1,851 BTEX, less than 160 MTBE. MW-2, 24,220 BTEX, less than 62 MTBE. MW-7, 2,040 BTEX, 31 MTBE. MW-1, 22.4 BTEX, less than 9.0 MTBE. MW-10, 15,960 BTEX,, less than 150 MTBE.7/26/2013 - 1Q2013, 4/2013, by CGE. The monitoring was done on 3/23/2013. DTW 22.81 (MW-7) to 28.77 (MW-8). NO LNAPL. MW-6, 170 BTEX, 6.1 MTBE. MW-2, 21,780 BTEX, <76 MTBE. MW-9, 35,130 BTEX, <290 MTBE. MW-4, 22,684 BTEX, <270 MTBE. MW-7, 1,870 BTEX, <42 MTBE. MW-10, 10,440 BTEX, <110 MTBE.

Remarks: (5) 550 GALLON TANKS FAILED PETRO TITE WITH A LEAK RATE OF 0.737GPH, WILL EXCAVATE & TEST (5) MORE TANKS ON 8/31/89.

Material:

Site ID:	310058
Operable Unit ID:	930572
Operable Unit:	01
Material ID:	445794
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

Tank Test:

Site ID:	310058
Spill Tank Test:	1535939
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

219
NW
1/4-1/2
0.455 mi.
2402 ft.

MONARCH CONSTUCTION **NY LTANKS** **S102673327**
11-17 43RD AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	113903
Spill Number/Closed Date:	9516355 / 3/20/1996
Spill Date:	3/20/1996
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	3/20/1996
CID:	349
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/1996
Spill Record Last Update:	4/1/1996
Spiller Name:	FRANK ODONNELL
Spiller Company:	BAERENKLAU OIL CO
Spiller Address:	740 JAMAICA AVE
Spiller City,St,Zip:	BROOKLYN, NY 11208-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	99380
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	on pavement only - cleaned up

MONARCH CONSTUCTION (Continued) **S102673327**

Material:

Site ID:	113903
Operable Unit ID:	1027324
Operable Unit:	01
Material ID:	352872
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AP220 **SWINGSTELL, LLC** **NY UST** **U000407641**
East **32-00 SKILLMAN AVENUE** **NY HIST UST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY AST**
0.460 mi. **NY BROWNFIELDS**
2428 ft. **Site 1 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

UST:

Id/Status:	2-032891 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2018/09/29
UTM X:	590061.99912000005
UTM Y:	4511134.5334999999
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	252
Affiliation Type:	Facility Owner
Company Name:	SWINGSTELL, LLC
Contact Type:	PERMIT COORD.
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM ST., 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 406-0030
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	On-Site Operator
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC

SWINGSTELL, LLC (Continued) **U000407641**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Emergency Contact
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Mail Contact
Company Name:	STELLAR MANAGEMENT
Contact Type:	Not reported
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM STREET
Address2:	10TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 843-3783
EMail:	KVAZQUEZ@STELLARMANAGEMENT.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/21/2013

Tank Info:

Tank Number:	0001
Tank ID:	27133
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	Not reported
Date Tank Closed:	05/08/2008
Registered:	True
Tank Location:	Underground

SWINGSTELL, LLC (Continued) **U000407641**

Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 09/03/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: dxliving
Last Modified: 07/02/2008

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None

HIST UST:
PBS Number: 2-032891
SPDES Number: Not reported
Emergency Contact: WILTON ATKINS
Emergency Telephone: (718) 729-9600
Operator: G. LOVETT
Operator Telephone: (718) 729-9600
Owner Name: ACCO USA,INC.
Owner Address: 32-00 SKILLMAN AVE
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 729-9600
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: ACCO USA,INC.
Mailing Address: 32-00 SKILLMAN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101
Mailing Contact: MR. WILTON ATKINS
Mailing Telephone: (718) 729-9600
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: 32000 SKILLMAN AVE
SWIS ID: 6301
Old PBS Number: Not reported
Facility Type: MANUFACTURING
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 10/29/1997
Expiration Date: 10/23/2002

SWINGSTELL, LLC (Continued) **U000407641**

Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	20000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	11/01/1992
Next Test Date:	11/01/1997
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-032891
Program Type:	PBS
UTM X:	590061.99912000005
UTM Y:	4511134.5334999999
Expiration Date:	2018/09/29
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	252
Affiliation Type:	Facility Owner
Company Name:	SWINGSTELL, LLC
Contact Type:	PERMIT COORD.
Contact Name:	KATINA V. VAZQUEZ

SWINGSTELL, LLC (Continued) **U000407641**

Address1:	156 WILLIAM ST., 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 406-0030
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	On-Site Operator
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Emergency Contact
Company Name:	SWINGSTELL, LLC
Contact Type:	Not reported
Contact Name:	SMAJLIE SEDANOVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 335-2580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/16/2013

Site Id:	252
Affiliation Type:	Mail Contact
Company Name:	STELLAR MANAGEMENT
Contact Type:	Not reported
Contact Name:	KATINA V. VAZQUEZ
Address1:	156 WILLIAM STREET
Address2:	10TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001

SWINGSTELL, LLC (Continued) **U000407641**

Phone: (212) 843-3783
EMail: KVAZQUEZ@STELLARMANAGEMENT.COM
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 10/21/2013

Tank Info:

Tank Number: 0002
Tank Id: 223944
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/01/2008
Capacity Gallons: 15000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 08/19/2013
Material Name: #6 Fuel Oil (On-Site Consumption)

BROWNFIELDS:
Program: BCP
Site Code: 57873
Site Description: The site is located in an urban area of Queens Co. and is surrounded by mixed industrial and residential uses. The site facility occupies an entire city block. The sites contamination resulted from the release of lubricating oils, paint thinners, solvents and related contaminated materials generated and used during the manufacturing process. Volunteer decided to not transition to Brownfield Cleanup Program, and the project remains in the Voluntary Cleanup Program. See Site #V00331.
Env Problem: Not reported
Health Problem: Not reported

AP221 **32-00 SKILLMAN AVE** **NY LTANKS** **S105999143**
East **32-00 SKILLMAN AVE** **N/A**
1/4-1/2 **QUEENS, NY**
0.460 mi.
2428 ft. **Site 2 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

LTANKS:

Site ID:	72446
Spill Number/Closed Date:	0302379 / 7/29/2005
Spill Date:	6/5/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	LNKLAAS
Referred To:	Not reported
Reported to Dept:	6/5/2003
CID:	405
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/5/2003
Spill Record Last Update:	7/29/2005
Spiller Name:	EVILEN
Spiller Company:	Not reported
Spiller Address:	32-00 SKILLMAN AVE
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	EVILEN
Spiller Phone:	(212) 843-3751
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	68380
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"June 29,04 letter sent by Tipple07/28/05 Tank was cleaned, retested, and passed 09/25/03. No sign of release. Closed. LNK.
Remarks:	tank will be cleaned and then retest the lines

Material:

Site ID:	72446
Operable Unit ID:	869214
Operable Unit:	01
Material ID:	506858
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

32-00 SKILLMAN AVE (Continued) **S105999143**

Tank Test:

AP222 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100494133**
East **32-00 SKILLMAN AVE** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY VCP**
0.460 mi.
2428 ft. **Site 3 of 4 in cluster AP**

Relative:
Higher

Actual:
34 ft.

LTANKS:

Site ID:	221004
Spill Number/Closed Date:	9207976 / 3/6/2003
Spill Date:	10/9/1992
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	10/9/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/1992
Spill Record Last Update:	3/6/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	307503
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/06/2003- Closed Due To The Nature / Extent Of The Spill Report
Remarks:	SUSPECT PLUMBING LEAKS,EIR.CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID:	221004
Operable Unit ID:	971614
Operable Unit:	01
Material ID:	408582
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Quantity: -1
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 221004
Spill Tank Test: 1540694
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

SPILLS:
Facility ID: 0511334
DER Facility ID: 307503
Facility Type: ER
Site ID: 357465
DEC Region: 2
Spill Date: 12/29/2005
Spill Number/Closed Date: 0511334 / 8/11/2008
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: rmpiper
Referred To: Not reported
Reported to Dept: 12/29/2005
CID: 408
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 12/29/2005
Spill Record Last Update: 8/11/2008
Spiller Name: ERIC KOVICH
Spiller Company: INDUSTRIAL FACILITY
Spiller Address: 32-00 SKILLMAN AVE
Spiller City,St,Zip: LOND ISLAND CITY, NY
Spiller Company: 001
Contact Name: ERIC KOVICH
Contact Phone: (610) 458-1077 101
DEC Memo: Sangesland did a search and could not find an open spill on this site.Why were they doing quarterly monitoring on the site? Is there an old spill number with a different address?05/17/06-Vought-Spill

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

transferred from DEC Vought to DEC Piper as per DEC Austin.2/26/07- DEC Piper left message at GES requesting callback and info.5/7/07- DECP iper receoved fax from GES stating oil dicovery is separate fro mPerc cont. There is a 20K #2 oil tank adjacent to the MW. It is believed that oil was pumped in from delivery due to wrong fill. Oil has reoccured in well. CSL sent to Mgmt. Agent.5/10/07- DECP iper spoke w. owner. He informed me there is no way oil was delivered to MW. In that case lines or tank may be leaking. He will test tank and lines and perform subsurface investigation.7/20/07- DEC Piper recieved tank test results. Tank failed Inspection revealed a hole on top of tank. Samples were collected thrpough bottom of tank though are clean of VOC and slight SVOCs. 2/3/08- DEC Piper spoke w. Don Carlo Env. Borings were completed around tank. and along street. Street samples were clean though boring made by others showed contamination. Adjacent boring were clean. Piper instructed Danny Sing to have proposal generated to clean and inspect tank and perform borings though bottom.4/16/08- DEC Piper - I met Don Carlo, Danny Sing and Ted Yen on site. I explained to them that product was discovered in the mw-11 adjacent ot the fill. The tank failed a tightness test and samples were collected from the ends of the tank. Further investigation is needed. Two borings down to groundwater will be completed adjacent to fill, and three boring will be conducted through the bottom of the tank. A third boring and gw sample will be collected in the boiler rooom which is downgradient of the tank.I recieved additional boring results. Soil and groundwater were below tagm. No free product was observed. Tank was slurriyed after inspection. Based on work to date, this spill is closed. See e--docs if warranted.

Remarks: CALLER HAS FOUND OIL FLOATING IN TOP OF THE WELLS DURING A QUARTERLY SAMPLING EVENT. oNE WELL WAS AFFECTED AND IS NEAR THE BOILER ROOM OF THE BUILDING. UNKNOWN AS TO HOW THE PRODUCT GOT INTO THE WELL AND SMELLS LIKE A FUEL OIL MATERIAL. HAS NOT BEEN EXCATED IT YET.

Material:

Site ID:	357465
Operable Unit ID:	1114741
Operable Unit:	01
Material ID:	2104803
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

VCP:

Program Type:	VCP
Site Code:	57579
HW Code:	V00331
Site Class:	A
SWIS:	4101

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Region: 2
Town: New York City
Acres: 1.800
Date Record Added: 11/30/2000
Date Record Updated: 10/10/2012
Updated By: JHOCONNE
Site Description: Location:The Site is located in an urban area of Long Island City, Queens at 32-00 Skillman Avenue and is surrounded by mixed commercial, industrial and residential uses. The former ACCO Brands, Inc. (ACCO) facility is bounded by Skillman Avenue and the Sunnyside Rail Yard to the north; 32nd Place to the east; Queens Blvd. to the south; and Van Dam Street to the west. Surrounding land uses include multi-family residential properties, community and educational institutions, and various commercial, industrial, and retail uses.Site Features:The Site is approximately 1.8 acres in size and the former ACCO facility occupies the entire city block.Current Zoning/Use(s):The site was formerly owned by ACCO Brands Inc., which was a subsidiary of Fortune Brands, Inc. The site is located in an industrial zoned area. The upper floors of the Site are currently used for commercial and light industrial purposes, the basement is unoccupied, and a penthouse which houses a private racquet club, fitness center, spa and restaurant occupies the rooftop of the Site.Historical Use(s):The facility was constructed in 1950 and ACCO (or its predecessor corporations) occupied the facility from 1952. The site was reportedly occupied by several automotive service centers and gasoline stations prior to 1950. During their occupancy of the facility, ACCO manufactured staplers and stapler components. Paints, thinners, solvents and cleaners were used as part of the manufacturing process and may have led to site contamination. Wastes generated included paint filters, sludge, rags, and paint.Operable Units:The Site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination." Operable unit 1 (OU-1) is the on-Site source area which included the basement of the building. Operable unit 2 (OU-2) consists of the off-Site dissolved groundwater plume and associated soil vapor issues.Site Geology and Hydrogeology:The site is underlain by silty sand with varying amounts of gravel, silts and clays. Soil borings indicate a laterally pervasive low permeability layer beneath the entire footprint of and to the west of the Site. Parts of the low permeability layer, which dips to the south-southeast, are compromised by a layer of organic peat. TCE has been detected in the shallow, intermediate and deep aquifer zones at the Site. Depth to groundwater in the shallow aquifer is approximately 10 grade with a flow to the northwest. Depth to groundwater in the intermediate aquifer is 35 below grade with a flow to the west-northwest. Depth to groundwater in the deep aquifer is 60 below grade with a flow to the north-northwest.
Env Problem: Nature and Extent of Contamination:OU-1 Soil - Based upon investigations conducted to date, the primary contaminants of concern for OU-1 soils include trichloroethene (TCE) and its breakdown products that were noted in an unlined pit in the basement of the facility. The extent of impacted soils is confined to the western half of the footprint of the basement. Concentrations of TCE found in soils on site ranged from 79 ppm to 256 ppm, which exceeds the Soil

CLOSED-LACKOF RECENT INFO (Continued) **S100494133**

Cleanup Objectives (SCO) for the protection of groundwater (0.47 ppm). Maximum concentrations were noted at a depth of 16-16.5 feet below the basement floor. OU-1 Groundwater - TCE and its breakdown products were encountered in both shallow groundwater samples collected at approximately 15 below grade and deep groundwater samples collected at approximately 49 below grade. Concentrations of TCE in shallow groundwater on site ranged from 108 ppb to 129,000 ppb, which exceeds the Groundwater Standard of 5 ppb. Concentrations of TCE found in deep groundwater on site ranged from 700 ppb to 1280 ppb. Maximum groundwater contaminant concentrations are encountered in the western half of the Site.OU-1 Soil Vapor - The maximum sub-slab soil vapor concentration of TCE found in samples collected beneath the on-site building were 160,000 ug/m3 in the eastern portion of the basement and 260,000 ug/m3 in the northern portion of the basement.OU-2 Groundwater TCE and its breakdown products were encountered in shallow, intermediate and deep groundwater samples. Depth to groundwater is approximately 10 below ground surface (bgs) in the shallow aquifer, approximately 35 bgs in the intermediate aquifer, and approximately 60 bgs in the deep aquifer. Maximum concentrations of TCE found in shallow off-site groundwater samples were 140,000 ppb. Maximum concentrations of TCE found in intermediate off-site groundwater samples were 45,800 ppb. Maximum concentrations of TCE found in deep off-site groundwater samples were 65 ppb. Approximate plume length is 500 down gradient from the site.OU 2 Soil Vapor - Off-site studies of soil vapor intrusion were conducted at the several locations. Concentrations of TCE in sub-slab and indoor air samples collected in two off-site locations during the Remedial Investigation exceeded the recommended action levels as established by NYSDOH. Vapor mitigation systems have been installed in these buildings.

Health Problem: Direct contact with contaminants in the soil is unlikely because the site is covered with a building and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the area is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential exists for people to inhale site contaminants in the indoor air due to vapor intrusion in the on-site building. A soil vapor extraction system was installed beneath the on-site building, which prevents vapors beneath the slab from entering the building. Sub-slab depressurization systems (systems that ventilate/remove the air beneath the building) have been installed in off-site buildings to prevent inhalation of site contaminants in indoor air due to soil vapor intrusion.

AQ223 **SPILL NUMBER 0103168** **NY LTANKS** **S105055149**
WNW **10-20 44TH RD** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.465 mi.
2455 ft. **Site 1 of 2 in cluster AQ**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	210325
Spill Number/Closed Date:	0103168 / 8/27/2002
Spill Date:	2/13/1998
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	6/22/2001
CID:	205
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2001
Spill Record Last Update:	4/7/2003
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK.
Spiller Address:	10-20 44TH RD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	174355
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"ORIGINAL SPILL # 97-12701 SENT TO REGION 1 REFERS TO SATURATED SOIL.08/27/2002 CLOSED THIS SPILL NUMBER, SEE SPILL # 97-12701
Remarks:	caller was told by region office to call hotline for new number.

Material:

Site ID:	210325
Operable Unit ID:	841870
Operable Unit:	01
Material ID:	535262
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

SPILL NUMBER 0103168 (Continued) **S105055149**

Tank Test:

SPILLS:

Facility ID:	9714321
DER Facility ID:	174355
Facility Type:	ER
Site ID:	210327
DEC Region:	2
Spill Date:	3/25/1998
Spill Number/Closed Date:	9714321 / 8/27/2002
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	IXMUNTEA
Referred To:	Not reported
Reported to Dept:	3/25/1998
CID:	370
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/25/1998
Spill Record Last Update:	8/27/2002
Spiller Name:	Not reported
Spiller Company:	CLEAN HARBORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	ABOVE CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MUNTEANU"08/27/2002 CLOSED THIS SPILL # AND 01-03168. SPILL IS OPEN UNDER 3 97-12701
Remarks:	while filling truck - overfill spill to containment abd cleaned

Material:

Site ID:	210327
Operable Unit ID:	1057192
Operable Unit:	01
Material ID:	325289
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	25
Resource Affected:	Not reported
Oxygenate:	False

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Tank Test:

Facility ID:	9712701
DER Facility ID:	174355
Facility Type:	ER
Site ID:	210326
DEC Region:	2
Spill Date:	2/12/1998
Spill Number/Closed Date:	9712701 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	AXDORONO
Referred To:	GWMR (06/03/13) REVIEWED
Reported to Dept:	2/13/1998
CID:	370
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	5
Date Entered In Computer:	2/13/1998
Spill Record Last Update:	7/31/2013
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	CARRIE VINCH
Contact Phone:	(609) 896-8066
DEC Memo:	Spill originally sent to r1. It is in queens county. Bob Corcoran 07/10/0108/27/2002 CLOSED SPILL 01-03168 AND REFERRED THIS # TO 97-14321 4/7/03 TIPPLE REVIEWED CORRECTIVE ACTION PLAN SUBMITTED BY GZA REMEDIATION ONGOING8/14/03 WEDNESDAY MTG. AT RYDER FACILITY, RYDER TO ADDRESS REMEDIATION OF GAS CONTAMINANTS BELOW THE GARAGE FACILITY//TEST PIT WITH HORIZONTAL APPLICATION// FENTONS // REMEDIAL PLAN TO FOLLOW// CONTINUE MONITOR PROGRAM OUTSIDE BUILDING. 12/10/03 mt/// Transferred from Tipple to Rommel8/4/04Monitoring groundwater quarterly for a few years, 90 ppb MTBE, 72 ppb Benzene Groundwater in parking lot where dispenser island used to be. Proposing semi annual sampling. Tanks replaced. Few hundred yards soil removed 2001. Indoor issue - tanks removed 1992. Oil water separator still in place possibly another source. No permanent monitoring wells. Rommel9/15/04Reviewed Remedial Investigation Report dated 5/18/04 - objective to delineate near former diesel UST. one temp well installed, gw 15200 ppb Xylene, 7200 Toluene, 2300 Benzene, 2900 Ethylbenzene.Soil borings to west and south of Nov 2002 boreholes. GW 11-12 ft bg. sands some clay to the west of former USTs. Max soil contamination 3 - 6'.Left vm message for Ben Aldrich 973-256-7800:Closure and replacement of O/W separator scheduled summer 2004?Historic gw sampling.Historic reports.Delineate gw and

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soil contaminationSubmit map summarizing all soil results greater than TAGM.Propose remediation.Rommel10/15/04 Transferred from Rommel to Foley. (KMF)4/27/05 Received 2004 Annual GW Monitoring Report. GZA sampled wells on 2/18/04 and 10/6/04. Objective is to determine effectiveness of MNA. Not sampling for geochemical indicators. Sampling for TBA. MW-1,2,3,4,6 were purged and sampled. The sample from MW-5 was not analyzed since no target compounds were detected during previous sampling events. MW-1 exhibited a petroleum odor and slight sheen during both events. MW-2 had a slight odor but no sheen. MW-3 did not exhibit odor and ran dry during purging. MW-4 had a slight odor during both. MW-5 ran 2.9ppm on the PID and MW-6 ran 1.1ppm on the PID. Purge water from MW-5 had a strong organic or sulfur odor in Feb. MW-6 had a slight odor in Feb.Oct 04- BTEX ranged from ND(MW-2,3,4) to 164ppb(MW-1). MTBE ranged from ND(MW-4) to 41ppb(MW-1).12/22/05 Annual report received. MW-1, within the former source area, continued to exhibit low concentrations of most targeted compounds, including MTBE. Napthalene and TBA have increased, perhaps due to biodegradation. Napthalene and TBA were detected in low concentrations in MW-2 and benzene at a slight exceedance. In MW-3, MTBE was detected at its lowest conc to date, while TBA was at its highest to date. Xylenes were detected above MDL for the first time. MW-4 did not contain any targeted compounds exceeding GWQS. MW-6 contained MTBE at a slight exceedance. Napthalene, 1,2,4-trimethylbenzene and total xylenes were detected above standard for the first time in MW-6 during the 10/05 event. Semi-annual sampling continues. An annual report will be submitted 12/06.3/22/06 Reassigned from Foley to Tang.(KMF)04/12/2007: This spill case was transferred to A. Doronova. - AD04/13/2007: Reviewed UST closure report and oil/water separator system closure report submitted by GZA, dated October 2006. UST closure report states that one 5,000-gallon UST was abandoned in place. During UST closure four samples were taken through four holes drilled two feet below the bottom of UST. No targeted VOC or PAH compounds were detected at concentrations exceeding their respective RSCOs in any of the soil samples. Based on this information GZA recommends NFA for this UST.During oil/water separator closure GZA performed some activities including: Collecting and analysing composite soil samples from the impacted area; collecting and analysing 5 post-excavation soil samples; removing from the site approximately 112 tons of impacted soil. Four of five post-excavation soil samples had elevated PID readings from 267 to 458 ppm. Lab results indicated elevated concentrations of VOC in these 4 samples. The excavation of contaminated soil could not be done because of structural building components. GZA is currently in preparation of RAP to address the impacted soils and groundwater at the site. AD04/16/2007: Spoke with Ben Alter of GZA. He told me that RAP will be ready for submittal around June 2007. They already installed new groundwater monitoring wells in the vicinity of closed oil/water separator to better delineate GW contamination. I ask him to submit also a complete and detailed map of the site, which he promised to do. AD05/02/2007: Received a letter from Ben Alter of GZA with attached soil sampling map and monitoring well location map. Submitted maps are not exactly what I asked for. Locations of oil-water separator, 5,000 gallon UST and 8 diesel former USTs are not indicated on both maps. Soil borings and end-point soil samples are not time color-coded. Will wait for RAP submittal. AD05/14/2007: Spoke to Mr. Alter of GZA. Asked him about date of RAP submittal. He said it will be ready before July. He

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will also send revised maps for the site. GZA will do sampling round including newly installed wells MW-7 and MW-8 in two weeks. Analytical results will be submitted in RAP. AD05/18/2007: Received a map with locations of abandoned UST and oil/water separator with indication of the excavated limit. AD08/2007: Spoke to Ben Alter of GZA regarding RAP submittal. He said that the owner still did not decide on the plan. Promised to call me back. AD10/07/2007: Received a call from Tyree Env. This company is a new consultant for the site. They will prepare and submit RAP to DEC. AD11/07/2007: Received a call from Robert Ott of Tyree Env. (phone: 631-249-3150, ext 280) He asked for a meeting with us to discuss remedial action plan for this site. Scheduled the meeting for Tuesday November 13, 2007. AD11/13/2007: Jon Kolleeny and I attended a meeting with Robert Ott of Tyree Env. Tyree Env. will prepare work plan for delineation of contamination inside the building and then propose remedial action plan for the area of concern. AD01/18/2008: Called and left a message to R. Ott regarding investigation work plan submission. AD01/29/2008: Spoke with Robert Ott of Tyree. He said that work plan proposal was submitted to the owner for approval. Asked me if we can send them a letter to expedite the plan's review. AD01/30/2008: Sent a Investigation Needed Letter to Ms. Carry Anne Vinch of Ryder with a request to expedite investigation plan submission. AD03/03/2008: Spoke with R. Ott of Tyree. He said that scope of work was approved by owner and now they in a process of the work plan preparation. He plans to submit it in the beginning of April 2008. AD04/17/2008: Received a letter from Ryder. It states that Tyree Brothers Env. Services (TBES) did propose to implement investigation work for Ryder, but however Ryder did not retained them to perform any work, or prepare any plans. It says, that Ryder is presently reviewing options to move this site to closure. Called and left a message to Ms. Vinch of Ryder. AD04/25/2008: Called and left a message to Ms. Vinch of Ryder. Spoke with J. Kolleeny regarding this site. Sent Ms. Vinch an email, stating that we will prepare STIP for the site to ensure timely cleanup. AD04/30/2008: Received a phone call from Ms. Vinch of Ryder. She requested a meeting with DEC at the site. Told her that it can be arranged in DEC building. Ms. Vinch will call latter with a date for the meeting. AD05/14/2008: Did not receive any calls from Ms. Vinch of Ryder. Called and left a message. AD05/15/2008: Received a call from Ms. Vinch of Ryder. Scheduled a meeting with them on May 29, 2008. AD05/27/2008: Received Annual Groundwater Monitoring report. Will review. AD05/29/2008: Received a call from Ms. Vinch. She asked to re-schedule the meeting for Thursday, June 5, 2008 due unavailability of their consultant. AD06/05/2008: J. Kolleeny and I attended the meeting with Carrie Vinch 0f Ryder Truck and Brian Moore of CHCI. We discussed current site conditions. It was agreed that a work plan for additional groundwater investigation will be submitted to DEC in the mid-June. Based on the results of the investigation, recommendations will be made for further actions. AD07/16/2008: Received an email from Brian Moore of CHCI saying:Ms. Doronova - Thank you for taking time out of your busy schedule to meet with us last month to discuss the status of the assessment activities underway at the above-referenced Ryder facility at 10-20 44th Road in Long Island City.We are putting the final touches into the work plan being developed to address the items we discussed during our meeting last month, and we will be submitting it shortly for your review and approval. We appreciate the opportunity you provided for us to discuss the cases at this

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property, and we look forward to your review of the scope when submitted. Please do not hesitate to contact us should you have any questions, comments, or concerns.Most sincerely,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.356007/23/2008: Received PDF version of the work plan from Brian Moore. Will review. Downloaded to eDocs. AD07/28/2008: Received a hard copy of the work plan AD07/30/2008: Sent an approval letter to Ms. Carry-Vinch with the following comments: Two soil samples per boring must be collected: one - directly above the water table and the second - from the sampling interval with the highest PID reading. In the absence of any field indication of contamination, a single soil sample just above the water table should be collected; Laboratory analysis for VOCs and SVOCs, specified on page 3 (third paragraph from top of the page) of the work plan, must be conducted for all samples collected. AD08/22/2008: Received an email from B. Moore of CHCI saying: "Ms. Doronova - In preparing the driller for the new well installation work planned forthis facility (DEC already approved), we have reviewed the previous wellconstruction details more in-depth and would like DEC to re-considerplans for well replacement. In lieu of replacement of MW-3 and 4, we would like to have DEC approve augmenting the network in thoseareas to confirm hydrological conditions and better assist with the conceptual model development for this location in general.Please review the attached and let us know if it meets with your approval.Original went into regular mail last night.We have proactively pre-marked for this work, and await your authorizationto proceed with the revised scope. Thanks again,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560http://www.carriagehouseinfo.com"Downloaded the WP addendum to eDocs. Will review. AD09/09/2008: Reviewed the revised WP. Sent an approval letter to K. Zias (cc: J. Kolleeny of DEC and B. Moore of CHCI). AD09/18/2008: Received an email from B. Moore of CHCI, saying: "Ms. Doronova -CHCI anticipates initiating the drilling portion of this Work Plan at this site beginning next Wed., by 10AM or 11AM, continuing through the end ofThursday.We look forward to potentially seeing you there if you decide to visit.Sincerely,Brian D. MooreCarriageHouse Consulting, Inc."Will visit the site. AD09/24/2008: Visited the site. Met with B. Moore of CHCI at the site. They already completed installation of the replacement for MW-3. Observed installation of the monitoring well MW-4S and PID screening of soil samples. PID ranged from ND to 942 ppm (v) at 10' depth. Asked B. Moore to collect soil sample from this interval for lab. analysis. CHCI will complete installation of 3 wells at the parking lot today, and will continue to install wells inside the building tomorrow. Wells will be sampled in two weeks. AD09/25/2008: Received a call from B. Moore of CHCI. He said that they installed well MW-9 with difficulties and he was questioning if it is reasonable to install well MW-10. The highest PID reading from boring for MW-9 was - 848 ppm (v). Discussed this with J. Kolleeny. Asked B. Moore to move location for well MW-10 10-15 feet to the east from MW-9. AD10/16/2008: Received a phone call from B. Moore of CHCI. During GW sampling they discovered a free product in the monitoring well MW-1. It looks as weathered light fuel oil. They collected a sample for fingerprint analysis and groundwater sample for lab analysis. The free product was bailed out of the well to find recovery rate. All data will be analyzed and conclusions and recommendations will be made. AD11/05/2008: Spoke with B. Moore of

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CHCI. Asked him about MW-01. He said that absorbent sock was placed into the well to collect the free product. Yesterday, they replaces the sock. CHCI proposes to implement IRM for this well by installing skimmer to recover free product. Requested to submit a brief work plan for this IRM for our approval. AD12/18/2008: Received a phone call from B. Moore of CHCI. He was at the site to check for free product in well MW-1. He said that CHCI will propose to install additional well to delineate the free product. Asked him to submit brief work plan with the proposed well location. Also requested to send me an email stating the current field findings. AD02/09/2009: Received a phone call from B. Moore regarding UST closure report and oil/water separator system closure report, which was submitted by GZA in October 2006. UST closure report stated that one 5,000-gallon UST was abandoned in place. During UST closure four samples were taken through four holes drilled two feet below the bottom of UST. No targeted VOC or PAH compounds were detected at concentrations exceeding their respective RSCOs in any of the soil samples. Based on this information GZA recommended NFA for this UST. Mr. Moore was wondering if NFA letter could be issued by DEC for this particular tank. Later received an email from Mr. Moore saying:"Ms. Doronova - As we have discussed, the attached Work Plan addendum is based on the presence of NAPL in well MW-1. Historical GW flow has fluctuated, and that is the reason for the two well placement downgradient of the current/former UST areas.Thank you again for your consideration in these matters, and we look forwardto getting these new wells installed and then complete the SSI!Sincerely,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560"DL the work plan to eDocs. Will review. AD02/23/2009: Reviewed the work plan. CHCI proposes to install two additional wells in the southern and southwestern portions of the site to delineate the extent of LNAPL. Wells will be located downgradient from well MW-1 and current/former UST areas. Will send a letter. AD02/24/2009: Sent an approval letter with a comment regarding soil sampling interval. AD02/26/2009: Visited the site to observe installation of additional wells. Met at the site Nathan Stevens - hydrogeologist of CHCI. GeoSearch company was subcontracted to perform the installation. Wells MW-13 and MW-14 were installed downgradient of well MW-1.Headspace PID readings ranged from 1,7ppm at 15' bgs to 53.5ppm at 8-10' bgs for MW-14 and from 1.6ppm at 15' bgs to 188ppm at 6-8' bgs for MW-13. Soil from intervals with highest PID readings and just above the water table interval were collected for lab analysis. Took some pictures. DL them to Ryder Truck file. Results of current soil sampling and following groundwater sampling will be presented in ASI summary report. AD 03/12/2009: Spoke with B. Moore regarding UST closure report, which was submitted by GZA in October 2006. Asked him to submit a letter request. AD03/16/2009: Received the letter from CHCI which states that no evidence of petroleum release was encountered during the in-place closure of this UST and requests to issue a letter affirming this conclusion. Mr. Moore was wondering if NFA letter could be issued by DEC for this particular tank. Discussed with J. Kolleeny this request. No NFA can be issued, because no any spill cases were open for this tank. Will prepare a statement letter. AD03/26/2009: In response to CHCI request sent the statement letter, which says that the Department agrees, based on information provided, that open spill case 9712701 is not associated with this particular UST. AD06/12/2009: Called and spoke with B. Moore of CHCI regarding the summary report submission. He said that

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the report will be submitted till the end of June 2009. AD06/24/2009: Received an e-mail from B. Moore of CHCI saying:"Ms. Doronova - As a follow up to our telephone call the other day, I wanted to send this email confirming the status of the Supplemental Site Investigation Report planned for the for the Ryder Facility at 10-20 44th Road in Long Island City.To-date, we have compiled the data from more than twenty individual reports from the last 17 years into this investigation (greater than individual 100 soil samples on-site) and we have supplemented that data set with a round of soil borings and well installation work in 9/2008, followed by additional drilling in 2/2009, and initiated passive NAPL recovery activities in one of the former UST areas. Please note that we have been continuing our monthly visits to keep track of the NAPL and sheens in site-related wells as part of the DEC approved IRM. In fact, we are out there his morning checking the wells again for NAPL. We have identified a single subsurface investigation report missing from the file from 2002, and have requested a copy of the same get pulled from the former consultant's archive. This report has the construction details on MW-5, and is believed to be the only missing report to our file. Once received, reviewed, and incorporated, the SSI will be complete. As we have not received this single final report yet, I would be more comfortable getting and incorporating the information from MW-5 construction into this SSI rather than rushing it to completion in the next six days. So taking into consideration our continued monitoring efforts at this site, we would like to receive your authorization to complete the SSI including the data from MW-5 installation to offer a full and complete investigation for the file, and serve as a basis for associated conclusions and further recommendations related to remediation.This site remains a big priority for Ryder, and we really want the SSI to serve the intended purpose outlined in our previous correspondence and meetings, as well as the DER-10 Guidance. Please give me a call if you have any questions or require additional information in considering our request.Respectfully,Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560"Called and spoke with Brian. Postponed the report submission till July 15, 2009. Sent him the report from April 29, 2002, with the construction details on MW-5 installation, which was missing from their files. AD07/10/2009: Received a call from B. Moore. He said that CHCI plans to continue delineation of GW contamination and asked to postpone Investigation Report submission, so they can include work plan for additional investigation into this report. Approved the postponement of the submission till August 1, 2009. AD07/31/2009: Received Supplemental Site Investigation Report from CHCI. DL pdf copy to eDocs. Will review. AD09/25/2009: Received an e-mail from B. Moore of CHCI saying:"Ms. Doronova - Attached please find the electronic copy of the Work Plan Addendum for continued NAPL recovery efforts at the Ryder facility at 10-20 44th Road in LIC, NY. We have continued our monthly visits, and desire to do so through December, reporting results from the same in Jan, 2010. For the next 12 months, CHCI and Ryder also desire to conduct quarterly NAPL monitoring and groundwater sampling at this location, inclusive of sampling for select MNA parameters.Any changes in NAPL recovery strategy will be discussed and presented in the Jan, 2010 IRM Status Update report. We also propose a Jan 2011 IRM Status Update report.Thank you for your attention to these matters, and please get in touch with any questions or comments, hard copy in mail.Brian D. MooreCarriageHouse Consulting, Inc.Ph:

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508.315.3146Cell: 508.479.3560"DL to eDocs. Will review. AD10/27/2009: Reviewed the work plan addendum. It proposes to decrease LNAPL recovery frequency from monthly to quarterly due to low free product recovery rates, starting in January 2010, and also to conduct quarterly groundwater monitoring for a period of one year to collect and analyze data for further remedial actions. AD10/30/2009: Discussed the work plan with J. Kolleeny of DEC. Issued an approval letter with the following comments: " - Quarterly groundwater monitoring at the site should start before the end of this year; - If the results of the first groundwater monitoring event indicate highly elevated levels of contamination in the site wells, then DEC may require that a more active remedial approach be developed."AD05/03/2010: Received a Groundwater Monitoring report for 1st quarter of 2010. DL pdf copy to eDocs. Will review. AD06/10/2010: Reviewed the report. It states that on February 25 through 26, 2010 CHCI conducted the quarterly monitoring well gauging, monitoring, NAPL recovery, and sampling at this site. The thickness of NAPL detected in well MW-1 was a "sheen" (less than 0.01 feet) during the February 25, 2010 gauging and sampling event, and NAPL was not detected in wells MW-13 and MW-14.On February 25 and 26, 2010 CHCI performed groundwater monitoring and sampling at the site. Groundwater monitoring activities also included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at each of the site's sixteen (16) wells. CHCI collected groundwater samples from the 16 site wells. Samples from six out sixteen wells were ND for TVOCs (wells: MW-3, MW-3S, MW-4S, MW-5, MW-8, MW-9. Four monitoring wells (MW-2, MW-4, MW-6 and MW-12) exhibited very low TVOCs concentration ranging fron 1.1ppb in well MW-4 to 5ppb in well MW-12. Moderate TVOCs were detected in two site wells: MW-1 - 428ppb, and well MW-13 - 412ppb.Most contaminated site wells are: well MW-10 - 7,249ppb, well MW-11 - 4,555ppb and well MW-14 - 7,964ppb.During the monitoring visit, NAPL has been recovered from the monitoring well network using deployment/recovery of absorbent booms to facilitate NAPL recovery. During previous reporting periods, NAPL recovery efforts had included deployment of a passive Keck-brand skimmer in well MW-1, but repeated comparisons to the effectiveness of adsorbent booms indicated greater recovery rates were achieved using the passive booms rather than the skimmer.During this reporting period, only passive booms were utilized to adsorb NAPL present in wells MW-1, MW-13, and MW-14. Boom replacement were conducted for wells MW-13 and MW-14 with one (1) 1.5" boom each, and for MW-1 with one (1) 3" boom. Approximately 4.613 gallons of NAPL in total have been recovered since program start, and approximately 0.45 gallons were recovered during this reporting period. CHCI will continue quarterly monitoring and recovery activities, with the next sampling and IRM visits scheduled for May and August, 2010. No response is needed. AD07/29/2010: Received a Groundwater Monitoring report for 2nd quarter of 2010. DL pdf copy to eDocs. Will review. AD10/16/2010: Received a Groundwater Monitoring report for third quarter of 2010. DL pdf copy to eDocs. Will review. AD12/17/2010: Reviewed the report. It states that on August 24 through 25, 2010 CHCI conducted the quarterly monitoring well gauging, monitoring, NAPL recovery, and sampling. NAPL was not detected in any of the on site wells. Groundwater monitoring activities also included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at each of the site's sixteen (16)

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monitoring wells. CHCI collected groundwater samples from the sixteen (16) wells for analyses of VOCs. During the sampling event of August 24 and 25, 2010, samples from six out sixteen wells were ND for TVOCs (wells: MW-3, MW-3S, MW-4S, MW-5, MW-8, MW-9. Five monitoring wells (MW-2, MW-4, MW-6 and MW-12 and MW-14) exhibited very low TVOCs concentration ranging from 3.6ppb in well MW-6 to 18ppb in well MW-14. Moderate levels of TVOCs were detected in three site wells: MW-1 - 413ppb, MW-11 - 610ppb and well MW-13 - 359ppb. Most contaminated site wells are: well MW-10 - 9,595ppb, which is increase from 7,249ppb, and well MW-7 - 3,394ppb.During this reporting period, only passive booms were utilized to adsorb NAPL present in wells MW-1, MW-13, and MW-14. The three booms currently being used in the wells were all removed and replaced, as they were at their absorbent capacity. These booms include one (1) 1.5" boom each for MW-13 and MW-14, and one (1) 3" boom for MW-1. Since start of the NAPL recovery activities in 2008, approximately 5.933 gallons of NAPL have been recovered from the groundwater monitoring well network, approximately 0.88 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored onsite, placed inside a 55-gallon capacity drum set within a secondary containment. No response is needed. AD03/25/2011: Received a phone call from B. Moore of CHCI. He asked if they can sample the wells. Told him that since the site is on quarterly GW monitoring no approval from DEC is needed. Later received an e-mail from B. Moore of CHCI saying:"Ainura - As we discussed this morning, we were expecting a letter back from DEC in time to authorize the sampling event for this month (March 2011) to align with previous years so we may compare in future submittals. Based on our discussion, we acknowledge that (at a minimum) Annual groundwater monitoring is currently required at this site, and potentially more frequent for those wells exhibiting higher concentrations (e.g., MW-7/10). We would appreciate also learning how DEC staff has been implementing CP-51 on soil objectives/cleanup levels, and we were considering an off-site downgradient well on the distant side of 44th Drive, and pilot testing remedial additive injections under the building to stabilize GW conditions around the former UST area. Thank you in advance for your attention to these matters, and we look forward to hearing back from you. Brian Moore"Sent him an e-mail saying:"Hi, Brian: As per our afternoon phone conversation, CHCI should proceed with quarterly groundwater sampling according to NYSDEC correspondence from October 30, 2009, and based on the new and historical data, a remedial action plan to address residual groundwater contamination at the site should be prepared and submitted to DEC in a timely manner. If you would like to exclude some of the wells from the groundwater sampling program, based on their ND results for VOCs, you should propose it in your next report or in an official letter. Sincerely, Ainura"AD06/20/2011: Received an e-mail from Brian Moore saying:"Ms. Doronova - Attached please find the GMG outlining results from the March sampling event at Site #9712701, which we are also sending you a hard copy of and a disk with the attached eCopy (in DEC naming convention). The work plan was developed with the intention of obtaining authorization to initiate feasibility evaluations at this site and preliminary RIR activities, including pilot testing/bench-scale tests in efforts to stabilize site groundwater conditions and allow for bioremediation to continue. I hope you have a pleasant long weekend, and look forward to your review of the attached. Thanks in advance for your time. Brian D. MooreCarriageHouse Consulting, Inc."DL the report to eDocs.

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Will review. AD06/21/2011: Reviewed the Remedial Investigation Work Plan dated May 27, 2011 pertaining to the above-referenced site, submitted by Carriage House Consulting, Inc. (CHCI), which stated that high levels of VOCs remain in two wells in the former USTs area and that free product sheen was present in wells MW-01, MW-13 and MW-14. The work plan proposes a soil and groundwater investigation in the vicinity of former gasoline USTs. CHCI will install two additional monitoring wells and two injection wells at the site, with collection of soil and groundwater samples for laboratory analysis. A report summarizing all findings, with conclusions and recommendations for further remedial action, will be prepared and submitted to DEC.The site plan with locations of the proposed wells is missing. Called and spoke with B. Moore regarding submission of the site map. Also asked to indicated on the map - locations of the former USTs fields. He agreed to re-submit the work plan. AD06/28/2011: Received a Remedial Investigation Work Plan Addendum dated June 28, 2011, submitted by Carriage House Consulting, Inc. The work plan includes the required site map with depiction of the proposed wells locations. CHCI will install two additional monitoring wells and two injection wells at the site, with collection of soil samples for bench-scale analysis and groundwater samples for VOCs and field parameters analysis as a preparation for a pilot study. Location of injection well IW-01 is questionalbe. Called and spoke with B. Moore regarding relocation of the proposed injection well IW-01 up gradient of highly contaminated monitoring well MW-07. He agreed to this change. AD07/05/2011: Discussed with Brian Moore details of the anticipated pilot study work plan. Requested some info on the free product identification. Discused the addendum to the work plan with J. Kolleeny. Will issue an approval letter. AD07/06/2011: Approved the addendum to the investigation work plan with the following comments:" Two soil samples must be collected from each boring/well and analyzed for VOCs and SVOCs - one from the sampling interval with the highest PID reading and the second from the interval directly above the water table-. In the absence of any field indications of contamination, a single soil sample should be collected from just above the water table. Proposed injection well IW-01 should be relocated up-gradient of monitoring well MW-07."Based on the result of this investigation a work plan for anticipated pilot study will be submitted to DEC.Sent the letter to Carrie Vinch of Ryder Truck. DL pdf copy of the letter to eDocs. AD07/07/2011: Received a Remedial Investigation Work Plan Confirmation, submitted by Carriage House Consulting, Inc. (CHCI) on behalf of Ryder Transportation Services. Will review. AD09/09/2011: Reviewed the WP Confirmation from CHCI. CHCI states that, out of sixteen site wells in total, elevated levels of dissolved groundwater contamination remain in only six monitoring wells: MW-01, MW-07, MW-10, MW-11, MW-13 and MW-14. Based on the data, CHCI recommends continuing quarterly groundwater monitoring for these six wells while reducing the frequency of groundwater monitoring for ten other wells from a quarterly to an annual basis, due to insignificant VOC levels in those wells. Monitoring reports will continue to be prepared and submitted to DEC on a quarterly basis. Tpo send a letter. AD09/23/2011: Received an e-mail from B. Moore saying:"Ms. Doronova - We have tentatively scheduled the groundwater sampling event for the Ryder location at 10-20 44th Road in Long Island City, NY under DEC Case #9712701 for 9/29/11 and 9/30/11 (second day if required to complete Task). In the event this schedule changes during the next few days, we will give you a call or email you to advise. Have a nice

SPILL NUMBER 0103168 (Continued) **S105055149**

weekend! Brian Moore"AD10/06/2011: Discussed the CHCI recommendation with J. Kolleeny of DEC. Issued and sent an approval letter to C. Vinch of RyderTruck. DL pdf copy of the letter to eDocs. AD12/08/2011: Received an e-mail from CHC saying:"Ainura Doronova - Per your request I am forwarding to you the Groundwater Monitoring Report for the Ryder site in Long Island City. The hard copy with included CD was delivered via UPS today. Please do not hesitate to call if you need anything more.Regards, Estee SchmaltzCarriageHouse Consulting, Inc.8 Pleasant StreetSouth Natick, Massachusetts508.315.3146"DL the pdf copy of the report to eDocs. AD01/20/2012: Reviewed the report.02/23/2012: Received the following e-mail from CHCI:"Ainura Doronova - The Groundwater Monitoring Report for the Ryder Facility in Long Island City has been delivered to the NYSDEC. Please find attached an electronic version for your records and review. Also included in this report is a request from the Department to issue correspondence authorizing the installation of a monitoring well within the 44th Drive right of way as depicted on Figure 5 for distribution to the appropriate City and Borough entities. Please let me know if you need additional information, or if there are additional forms to fill out for this next step. Regards,Estee SchmaltzCarriageHouse Consulting, Inc.8 Pleasant StreetSouth Natick, Massachusetts508.315.3146eschmaltz@carriagehouseinfo.com"DL to eDocs. Will review. AD03/07/2012: Reviewed the report. It states that during the sampling event of December 29, 2011, GW samples were collected from five of the six wells. Moderatly elevated levels of VOCs were detected in samples collected from wells MW-1 (370ppb) and MW-13 (251ppb) on the western portion of the parcel; and significant levels of VOCs were detected in samples collected from wells MW-7 (3,812ppb), MW-10 (16,731ppb) on the eastern portion of the site. Well MW-11 had 316ppb. During the monitoring visits NAPL has been recovered from the existing and expanded site-related monitoring well network using absorbent booms. During previous reporting periods, NAPL recovery efforts had included deployment of a passive Keck-brand skimmer in well MW-1, but comparison indicated greater recovery rates were achieved using the passive booms rather than the skimmer.During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. The boom located in well MW-1 was flipped on December 29, 2011 because it was not at its absorbent capacity. The booms located in wells MW-13 and MW-14 were removed and replaced. Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 8.133 gallons of NAPL have been recovered, approximately 0.53 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored on site, placed inside a 55-gallon capacity drum set within a secondary containment.The analytical results from the December 29, 2011 sampling event demonstrate that many of the dissolved hydrocarbon concentrations in groundwater have remained relatively stable since the March and September 2011 sampling events. The only exception is well MW-10, whose results increased since the September 2011 sampling event. Physical and geochemical monitoring results from this event indicate that groundwater conditions at this property are generally anaerobic, reducing, and slightly basic.CHCI will proceed with implementation of the DEC approved work plan and request to issue a Sidewalk Permit letter for installation of off-site well across 44th Drive. To issue

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a letter. AD03/13/2012: Issued and sent a Sidewalk Permit Request letter to B. Moore of CHCI. DL pdf copy of the letter to eDocs. AD06/05/2012: Received a hard copy of the Groundwater Monitoring Report for the first quarter of 2012. DL pdf copy to eDocs. Will review. AD06/27/2012: Reviewed the report. It states that during the sampling event on March 27 and 28, 2012 CHCI conducted monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection. Wells MW-4 and MW-4S were inaccessible during this monitoring event until March 28, 2012. During the March 2012 event, light NAPL was not detected in any of the wells monitored. During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. Since the expansion of the monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 8.573 gallons of NAPL have been recovered from the site monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period.Groundwater samples were collected from thirteen of the nineteen wells. Samples collected from wells MW-1, MW-13 on the western portion of the parcel and samples collected from wells MW-7, MW-10 and MW-11 on the eastern portion of the parcel indicated concentrations above Standards. The TVOCs ranged from 1.4ppb in well MW-2 to 9,987ppb in well MW-10.Low levels of VOCs indicated in the following wells:1. MW-2 - 1.4ppb;2. MW-3 - 1.6ppb;3. MW-3S - 41ppb;4. MW-4 - 6.7ppb;5. MW-6 - 2.9ppb;6. MW-12 - 5.1ppb;7. MW-14 - 8.5ppb.Moderatly elevated levels of VOCs were detected in samples collected from wells:8. MW-1 - 404ppb;9. MW-11 - 361ppb;10. MW-13 - 228.3ppbSignificant levels of VOCs were detected in samples collected from wells:11. MW-7 - 3,374,1 ppb slight decrease from 3,812ppb in December 2011;12. MW-10 - 9,987ppb a decrease from 16,731ppb in December 2011.In addition to expanding the monitoring well network during the next quarter, CHCI will also be initiating the bench-scale pilot study with the goal of increasing aerobic degradation, which also requires new well installation activities pursuant to the approved Work Plans.Upon completion of the delineation work for soil and groundwater impact, CHCI will evaluate evidence of natural attenuation and/or biodegradation processes at this site. AD08/22/2012: received the following e-mail from B. Moore:"Ainura - We are mailing a hard copy to you today at your office, but we have attached our eCopy for your use and Department records. we hope to install the off-site well early next month, and will advise you of our schedule!Brian D. MooreCarriageHouse Consulting, Inc.Ph: 508.315.3146Cell: 508.479.3560http://www.carriagehouseinfo.com"DL PDF copy of the report to eDocs. Will review. AD09/21/2012: Reviewed the report. It states that on June 25, 2012, CHCI personnel conducted the quarterly site groundwater monitoring including monitoring wells gauging, geochemical monitoring, NAPL recovery, and GW sample collection.During the June 2012 event, light NAPL was not detected in any of the wells monitored. During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1,MW-13, and MW-14.CHCI collected groundwater samples from 6 wells: MW-1, MW-7, MW-10, MW-11, MW-13, and MW-14.During the sampling event of June 25, 2012, samples from all six sampled wells yielded concentrations of one or more of the targeted analytes above the Class GA Groundwater Standards. The samples collected included wells MW-1, MW-13, and MW-14 on the western portion of the site and samples from wells MW-7, MW-10, and MW-11 on the eastern portion of the site.Moderatly elevated levels of VOCs were detected in samples

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collected from wells:1. MW-1 - 280ppb from 404ppb in March 2012;2. MW-11 - 549ppb from 361ppb;3. MW-13 - 255ppb from 228.3ppbSignificant levels of VOCs were detected in samples collected from wells:4. MW-7 - 2,080ppb a decrease from 3,374,1 ppb in March 2012;5. MW-10 - 5,809ppb a decrease from 9,987ppb in March 2012.The report states that the analytical results from the June 2012 sampling event appear to demonstrate that the magnitude of dissolved hydrocarbon concentrations in groundwater has remained relatively stable and consistent with the 2011 sampling results. The exception is in samples collected from well MW-10, whose results have demonstrated a greater degree of variability throughout the year but are still relatively consistent with previous historical sampling results.Upon completion of the delineation work for soil and groundwater impact, the remedial investigation will evaluate whether geophysical conditions in the impacted formation yield evidence of natural attenuation and/or biodegradation processes at this site. CCI states that the data contained in this report demonstrate that groundwater quality at this site, while varying over time, remains above the applicable GA Standards, confirming the necessity of the remaining remedial investigative activities from the approved work plans. AD12/07/2012: Received Groundwater Monitoring Report for the 3rd Quarter of 2012. DL the report to eDocs. Will review. AD01/14/2013: Reviewed the report. It states that on September 27, 2012, CHCI conducted the quarterly site groundwater monitoring event including monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection. CHCI collected groundwater samples from monitoring wells MW-1, MW-7, MW-10, MW-11, MW-13, MW-14, and MW-15.During the sampling event of September 27, 2012, samples from all seven of the sampled wells yielded concentrations of one or more of the targeted analytes above the Class GA Groundwater Standards. The samples collected included wells MW-1, MW-13, MW-14, and MW-15 on the western portion of the parcel and samples from wells MW-7, MW-10, and MW-11 on the eastern portion of the parcel.Well MW-15 was ND. Well MW-14 had 3.5 ppb of TVOCs.Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 232ppb from 280ppb in June 2012;2. MW-11 - 390ppb from 549ppb in June 2012;3. MW-13 - 222ppb from 255ppb in June 2012Significant levels of VOCs were detected in samples collected from wells:4. MW-7 - 1,705ppb a decrease from 2,080ppb in June 2012;5. MW-10 - 2,144ppb a decrease from 5,809ppb in June 2012.During this reporting period, only passive booms were utilized to absorb NAPL present in wells MW-1, MW-13, and MW-14. Therefore, gauging results reflect conditions at the property upon arrival and removal of the spent or partially spent booms. The booms include one 3-inch diameter boom for MW-1, and one 1.5-inch diameter boom each for MW-13 and MW-14. All three booms were replaced on September 27, 2012 as they were at their adsorptive capacity.Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 9.713 gallons of NAPL have been recovered from the site-related groundwater monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored onsite, placed inside a 55-gallon capacity drum set within a secondary containment.CHCI states that the analytical results from the September 2012 sampling event demonstrate that the magnitude of dissolved hydrocarbon concentrations in groundwater has remained relatively stable and consistent with the 2011 sampling results. The

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exception is in samples from MW-10, whose results have demonstrated a greater degree of variability throughout the year, with the most recent sampling results yielding the lowest amount of total VOCs to date, but are still relatively consistent with previous historical sampling results. Results from well MW-14 have yielded consistently low detections, and no analytes at all were detected from the new well, MW-15. Physical and geochemical monitoring results from this eventindicate that groundwater conditions at this property are generally anaerobic, reducing, and slightly acidic.The horizontal extent of the dissolved impact associated with these two AOCs is now defined by the newly-installed MW-15 in the downgradient direction, as this well did not yield any detections of VOCs. As part of the next quarter's field activities, CHCI will be initiating the bench-scale pilot study with the goal of increasing aerobic degradation, which also requires new well installation activities pursuant to the approved Work Plans.Upon completion of the delineation work for soil and groundwater impact, the Remedial Investigation will evaluate whether geophysical conditions in the impacted formation yield evidence of natural attenuation and/or biodegradation processes at this site. CHCI will continue with remedial investigative activities at the site. AD03/15/2013: Received a Groundwater Monitoring Report - Work Plan Addendum from CHCI. DL the report to eDocs. Will review. AD03/28/2013: Reviewed the report. It states that the site now has a network of seventeen (17) groundwater monitoring wells to monitor the extent of spill impact associated with this site. On December 19, 2012, CHCI conducted the quarterly site groundwater monitoring including wells gauging, geochemical monitoring, NAPL recovery, and GW samples collection. During the December 2012 event, LNAPL was not detected in any of the site wells monitored.CHCI collected groundwater samples from 7 monitoring wells: MW-1, MW-7, MW-10, MW-11, MW-13, MW-14, and MW-15.GW data - TVOCs (ppb):Non-detect or low levels of TVOCs:Well MW-15 was ND. Well MW-14 had 20 ppb of TVOCs.Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 264ppb an increase from 232ppb in September 2012;2. MW-11 - 724ppb an increase from 390ppb in September 2012;3. MW-13 - 248ppb an increase from 222ppb in September 2012Significant levels of VOCs were detected in samples collected from wells:4. MW-7 - 1,654ppb a decrease from 1,705ppb in September 2012;5. MW-10 - 1,756ppb a decrease from 2,144ppb in September 2012.Based on the historic GW data, CHCI proposes application of Enhanced Fluid Recovery (EFR) technique on eight selected site wells instead previously proposed chemical oxidant injection. Quarterly groundwater sampling will continue at the site. Summary report with conclusions and recommendations for further actions will be submitted to DEC.03/29/2013: called and spoke with Esther Schmaltz of CHCI regarding details of the work plan addendum. She will sens an e-mail clarifying the proposed actions. Later received the following e-mail from Ms. Schmaltz:"Ainura Doronova - Per our phone conversation here is a brief outline of the activities we will be conducting at they Ryder site next Tuesday and Wednesday:(i) Install a total of four (4) monitoring and extraction wells within the area of the former gasoline USTs within the service bays of the building at the same exact locations previously-demarcated and authorized by the Department for drilling;(ii) Perform a single EFR event utilizing all accessible wells within the on-site building (MW-7, MW-10, MW-11, MW-12, new wells: MW-16, MW-17, MW-18, MW-19);(iii) Perform one (1)

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limited periodic monitoring event of groundwater conditions within the target area approximately two (2) weeks and approximately six (6) weeks following completion of the EFR event - select wells;Please let me know if you need any additional information. Thank you for your assistance. Regards,Estee SchmaltzCarriageHouse Consulting, Inc."Discussed the work plan addendum with J. Kolleeny of DEC. Issued and sent an approval letter to Carrie Vinch with the following comment:" If EFR will not be effective in VOCs reductions in these wells, alternative remediation technologies should be proposed for the site."DL pdf copy of the letter to eDocs. AD06/03/2013: Received 1st quarter 2013 groundwater monitoring report from CHCI. DL to eDocs. Will review. AD07/15/2013: Reviewed the report. It states that on March 14 and 15, 2013, CHCI conducted the quarterly site groundwater monitoring event; including monitoring well gauging, geochemical monitoring, NAPL recovery, and sample collection.Free product:During the March 2013 event, light NAPL was detected only in monitoring well MW-1 as a petroleum sheen. Since the expansion of the site-related groundwater monitoring well network, and the increase in site monitoring and NAPL recovery activities in 2008, approximately 10.593 gallons of NAPL have been recovered from the groundwater monitoring well network, approximately 0.44 gallons of which were recovered during this reporting period. Recovered NAPL and absorbents continue to be stored on-site, placed inside a 55-gallon capacity drum set within a secondary containment.GW sampling:Groundwater monitoring activities included the measurement of temperature, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and acidity/alkalinity (pH) at nine (9) of the site's monitoring wells.CHCI collected groundwater samples from the seventeen (17) monitoring wells (MW-1, MW-2, MW-3, MW-3S, MW-4, MW-4S, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, andMW-15).GW data - TVOCs (ppb):Non-detect or low levels of TVOCs:Wells; MW-2, MW-3, MW-4, MW-4S, MW-5, MW-6, MW-8, MW-9, MW-12, MW-14 and MW-15 were ND. Moderatly elevated levels of VOCs were detected in samples collected from wells:1. MW-1 - 336 ppb an increase from 264ppb in December 2012;2. MW-13 - 236ppb a slight decrease from 248ppb December 2012Significant levels of VOCs were detected in samples collected from wells:3. MW-7 - 1,956ppb an increase from 1,654ppb in December 2012;4. MW-10 - 1389ppb a decrease from 1,756ppb in December 2012.5. MW-11 - 706 ppb a slight decrease from 724ppb in December 2012.GW data indicates that groundwater at the site localized in two areas: eastern part of the property inside the garage 9wells MW-7, MW-10 and MW-11), and the vicinity of the diesel USTs in the south-western part of the site (well MW-1 with free product and MW-13).CHCI states that the horizontal extent of the dissolved impact associated with these two areas of concern is now defined by the newly-installed MW-15 in the southwest direction. As part of the next quarter's field activities, the wells previously-authorized for installation as part of the EFR activities will be installed, and an EFR event will be scheduled and implemented at this site to expedite GW cleanup. This remediation technique is being considered in replacement or in advance of the bench-scale pilot study for chemical enhancement of aerobic and/or anaerobic degradation mechanisms previously authorized by the Department, and the degree of 'rebound' documented following the EFR activities will help further determine the degree of source area impact remaining at this parcel. NRN. AD

Remarks: took soil samples at above location - soil was saturated - now

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waiting for samples to return

Material:

Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	327294
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	2106684
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	210326
Operable Unit ID:	1058914
Operable Unit:	01
Material ID:	327293
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True

Tank Test:

AQ224 **10-22 44TH RD** **NY LTANKS** **S101341172**
WNW **10-22 44TH ROAD** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.465 mi.
2455 ft. **Site 2 of 2 in cluster AQ**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	191465
Spill Number/Closed Date:	9411116 / 1/20/1995
Spill Date:	11/18/1994
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial

10-22 44TH RD (Continued) **S101341172**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/20/1995
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	11/18/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/27/1995
Spill Record Last Update:	3/17/2003
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	159694
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"10/10/95: This is additional information about material spilled from the translation of the old spill file: VIRGIN MOTOR OIL.
Remarks:	E.I.K. FOR VIRGIN MOTOR OIL UST TANK 580GL. LEAK ABOVE THE LEVEL OF THE OIL IN THE TANK. FOUND THAT THE VENT PIPE WAS BROKEN -VENT PIPE REPLACED, TANK RETESTED

Material:

Site ID:	191465
Operable Unit ID:	1008988
Operable Unit:	01
Material ID:	376978
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	191465
Spill Tank Test:	1543371
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0

10-22 44TH RD (Continued) **S101341172**

Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

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225 NE 1/4-1/2 0.473 mi. 2495 ft.

NYCTA - SUPERIOR REED BLDG
29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1004762971**
FINDS **NYR000102319**
NY LTANKS
NY MANIFEST

Relative: Higher

Actual: 24 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NYCTA - SUPERIOR REED BLDG
Facility address: 29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101
EPA ID: NYR000102319
Mailing address: JAY ST ROOM 819
BROOKLYN, NY 11201
Contact: JAMES CRANDALL
Contact address: JAY ST ROOM 819
BROOKLYN, NY 11201
Contact country: US
Contact telephone: (718) 243-4581
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NEW YORK CITY TRANSIT
Owner/operator address: 370 JAY ST ROOM 819
BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 243-4581
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: NEW YORK CITY TRANSIT
Owner/operator address: 370 JAY ST ROOM 819
BROOKLYN, NY 11201
Owner/operator country: US
Owner/operator telephone: (718) 243-4581
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCTA - SUPERIOR REED BLDG
Classification: Not a generator, verified

Date form received by agency: 11/27/2001
Facility name: NYCTA - SUPERIOR REED BLDG
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012185349

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

LTANKS:
Site ID: 292496
Spill Number/Closed Date: 9100729 / 11/30/2000
Spill Date: 4/18/1991
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 4/18/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/23/1991
Spill Record Last Update:	12/30/2002
Spiller Name:	Not reported
Spiller Company:	URS CONSULTANTS
Spiller Address:	282 DELAWARE AVE
Spiller City,St,Zip:	BUFFALO, NY 14202
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	236777
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"SEE ALSO 94-08603. sEE FILETransfered from Hale to Tibbe.
Remarks:	5K TANK FAILED PETRO TITE WITH A GROSS LEAK, TANK OUT OF SERVICE FOR 12YRS, NO ACTION YET DETERMINED, TANK TEST WAS DONE WITH WATER.

Material:

Site ID:	292496
Operable Unit ID:	954268
Operable Unit:	01
Material ID:	426913
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	292496
Spill Tank Test:	1538471
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY MANIFEST:

EPA ID:	NYR000102319
Country:	USA
Mailing Name:	NYCTA - SUPERIOR REED BLDG
Mailing Contact:	N/S
Mailing Address:	370 JAY ST RM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN

NYCTA - SUPERIOR REED BLDG (Continued) **1004762971**

Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4581
Document ID:	NJA3185837
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/28/2001
Trans1 Recv Date:	11/28/2001
Trans2 Recv Date:	12/07/2001
TSD Site Recv Date:	12/07/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000102319
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	H10376
Waste Code:	F004 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

AR226 **RESIDANCE** **NY LTANKS** **S108957731**
NW **1120 43RD ROAD** **N/A**
1/4-1/2 **QUEENS, NY**
0.473 mi.
2497 ft. **Site 1 of 2 in cluster AR**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	389866
Spill Number/Closed Date:	0708879 / 12/19/2007
Spill Date:	11/14/2007
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	11/14/2007
CID:	404
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/14/2007

RESIDANCE (Continued) **S108957731**

Spill Record Last Update:	12/19/2007
Spiller Name:	MARLON JOSEPH
Spiller Company:	RESIDANCE
Spiller Address:	1120 43RD ROAD
Spiller City,St,Zip:	QUEENS, NY
Spiller County:	001
Spiller Contact:	MARLON JOSEPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	112
DEC Region:	2
DER Facility ID:	339444
DEC Memo:	11/20/07 bf: Sent ttf letter to:Harold RosenbergJ&B Realty LLC216 Cedar AvenueHewlett Bay Park, NY 1155712/13/07 Received call from Mohammad 718-784-5210. Tank was retested by PTC and passed. They did not know of 2nd fillport, so 1st test result was a failure. I told him to send a letter from PTC explaining this and the tank test results. bf12/19/07 Received letter from PTC by fax confirming the above. Passing tightness test results were included. NFA. bf
Remarks:	dry portion leak;

Material:

Site ID:	389866
Operable Unit ID:	1146990
Operable Unit:	01
Material ID:	2137380
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	389866
Spill Tank Test:	1815876
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	11/14/2007
Test Method:	Horner EZ Check I or II

AR227 **X** **NY LTANKS** **S105997827**
NW **11-20 43RD RD** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.473 mi.
2497 ft. **Site 2 of 2 in cluster AR**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	300672
Spill Number/Closed Date:	0210116 / 2/28/2006
Spill Date:	1/7/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	1/7/2003
CID:	211
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/7/2003
Spill Record Last Update:	2/28/2006
Spiller Name:	HAROLD ROSENBERG
Spiller Company:	Not reported
Spiller Address:	11-20 43RD RD
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	HAROLD ROSENBERG
Spiller Phone:	(718) 784-5210
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	243201
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"ARAKHAN 1/7/03 TTF LETTER FAXED AND MAILED TO FACILITY PERSONNEL.1/7/04-Vought-Spill transferred from Vought to Austin.01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.11/28/05- DEC Piper spoke w/ Harold Rosenberg, Faxed old ttf letter. He stated that work was done on tank, then it passed. He will send info.2/10/06- DEC Piper spoke w/ Harold Rosenberg again requesting info. He stated that it was sent though I have never received info. He will send it again.2/28/06- DEC Piper reviewed invoices from PTC.As per invoices and conversation w/ Joe, minor repairs were made to the system. A loose connection in the system was responsible. Closed. E-docs.
Remarks:	Not reported

Material:

Site ID:	300672
Operable Unit ID:	863330
Operable Unit:	01
Material ID:	513517
Material Code:	0001A

X (Continued) **S105997827**

Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	300672
Spill Tank Test:	1527903
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

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228 **THYPIN STEEL** **NY LTANKS** **U000416651**
SSE **49-49 30TH STREET** **NY AST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY** **NY HIST AST**
0.474 mi. **NY MANIFEST**
2501 ft. **NY Spills**

Relative:
Lower

Actual:
12 ft.

LTANKS:

Site ID:	88995
Spill Number/Closed Date:	9312128 / 1/14/1994
Spill Date:	1/14/1994
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/14/1994
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	1/14/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/18/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	WHALECO FUEL OIL
Spiller Address:	1 COFFEY ST.
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported

THYPIN STEEL (Continued) **U000416651**

Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 81338
DEC Memo: Not reported
Remarks: WILL SEND AT SOMEONE W/ SPEEDY DRY.

Material:
Site ID: 88995
Operable Unit ID: 990742
Operable Unit: 01
Material ID: 391124
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-116211
Program Type: PBS
UTM X: 589645.39324999996
UTM Y: 4510449.5729999999
Expiration Date: N/A
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 3896
Affiliation Type: Facility Owner
Company Name: MANHASSET BAY ASSOC
Contact Type: MANAGER
Contact Name: RICHARD THYPIN
Address1: P.O. BOX 309
Address2: Not reported
City: PRINCETON
State: NJ
Zip Code: 08542
Country Code: 001
Phone: (718) 937-2700
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 7/30/2007

Site Id: 3896
Affiliation Type: Mail Contact

THYPIN STEEL (Continued) **U000416651**

Company Name:	MANHASSET BAY ASSOC
Contact Type:	Not reported
Contact Name:	RICHARD THYPIN
Address1:	P.O. BOX 309
Address2:	Not reported
City:	PRINCETON
State:	NJ
Zip Code:	08542
Country Code:	001
Phone:	(609) 497-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3896
Affiliation Type:	On-Site Operator
Company Name:	MBA LONG ISLAND CITY
Contact Type:	Not reported
Contact Name:	MBA LONG ISLAND CITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(609) 498-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3896
Affiliation Type:	Emergency Contact
Company Name:	MANHASSET BAY ASSOC
Contact Type:	Not reported
Contact Name:	RICHARD THYPIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(609) 497-0796
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	004
Tank Id:	55775
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

THYPIN STEEL (Continued) **U000416651**

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B05 - Tank External Protection - Jacketed

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/2003
Register:	True
Modified By:	KXTANG
Last Modified:	07/30/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-116211
SWIS Code:	6301
Operator:	THYPIN STEEL CO INC
Facility Phone:	(718) 937-2700
Facility Addr2:	49049 30TH STREET
Facility Type:	TRUCKING/TRANSPORTATION
Emergency:	GARY GOLDIN
Emergency Tel:	(718) 967-3780
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MANHASSET BAY ASSOC
Owner Address:	C/O THYPIN STEEL CO. 49-49 30TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 937-2700
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MANHASSET BAY ASSOC
Mailing Address:	C/O THYPIN STEEL CO
Mailing Address 2:	49-49 30TH STREET
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 937-2700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	Not reported

THYPIN STEEL (Continued) **U000416651**

Expiration:	03/24/2002
Renew Flag:	False
Renew Date:	11/13/2001
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	004
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	06
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYR000121863
Country:	USA
Mailing Name:	THYPIN STEEL BUILDING FORMER
Mailing Contact:	MBA LLC
Mailing Address:	215 NASSAU ST
Mailing Address 2:	Not reported
Mailing City:	PRINCETON
Mailing State:	NJ
Mailing Zip:	08542
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	609-658-5395

THYPIN STEEL (Continued) **U000416651**

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	9607116
DER Facility ID:	81338
Facility Type:	ER
Site ID:	88996
DEC Region:	2
Spill Date:	9/5/1996
Spill Number/Closed Date:	9607116 / 12/29/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	EXHAMPST
Referred To:	Not reported
Reported to Dept:	9/5/1996
CID:	204
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/5/1996
Spill Record Last Update:	12/29/2005
Spiller Name:	MR GAMA
Spiller Company:	TYPHIN STEEL
Spiller Address:	49-49 30TH STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Contact Name:	BOB DECK
Contact Phone:	(718) 624-4842
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"This Spill cleanup project has been reassigned from DEC (Sigona)to Rommel on 2/2/2004.12/29/05 Transferred to E. Hampston via Spills Initiative. Contacted possible owner Richard Typhin (#609-497-0796) and left message regarding spill, requested call back.Site owner responded. Spill cleaned. Faxing disposal receipts (filed in eDocs).
Remarks:	Cross over line broke

Material:

Site ID:	88996
Operable Unit ID:	1038272
Operable Unit:	01
Material ID:	346384
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons

THYPIN STEEL (Continued) **U000416651**

Recovered: 50
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 9607319
DER Facility ID: 81338
Facility Type: ER
Site ID: 88997
DEC Region: 2
Spill Date: 9/10/1996
Spill Number/Closed Date: 9607319 / 9/16/1996
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: LUCE
Referred To: Not reported
Reported to Dept: 9/10/1996
CID: 205
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/10/1996
Spill Record Last Update: 12/24/2003
Spiller Name: CALLER
Spiller Company: WHALECO FUEL OIL
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NY 11231-
Spiller Company: 001
Contact Name: THYPIN STEEL INC.
Contact Phone: (718) 706-4557
DEC Memo: Not reported
Remarks: tank overfill.

Material:
Site ID: 88997
Operable Unit ID: 1038480
Operable Unit: 01
Material ID: 346588
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 15
Units: Gallons
Recovered: 15
Resource Affected: Not reported
Oxygenate: False

THYPIN STEEL (Continued) **U000416651**

Tank Test:

Facility ID:	9808784
DER Facility ID:	81338
Facility Type:	ER
Site ID:	70479
DEC Region:	2
Spill Date:	10/15/1998
Spill Number/Closed Date:	9808784 / 12/8/1998
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	10/15/1998
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/15/1998
Spill Record Last Update:	12/8/1998
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	ST
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"PTC HIRED BY TYPHIN STEEL TO DO CLEAN UP.
Remarks:	CALLER STATES THAT HE PARKS IFO THE ABOVE ADDRESS AND HE NOTICED A LARGE PUDDLE OF DIESEL FUEL IFO BUSINESS.

Material:

Site ID:	70479
Operable Unit ID:	1069974
Operable Unit:	01
Material ID:	316269
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

THYPIN STEEL (Continued) **U000416651**

Tank Test:

229
NNE
1/4-1/2
0.478 mi.
2522 ft.

COMMERCIAL BUILDING **NY LTANKS** **S107410496**
40-23 24TH ST' **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
32 ft.

LTANKS:

Site ID:	352289
Spill Number/Closed Date:	0506977 / 1/5/2006
Spill Date:	9/8/2005
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	9/8/2005
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/8/2005
Spill Record Last Update:	2/3/2006
Spiller Name:	VINNY LOVARI
Spiller Company:	COMMERCIAL BUILDING
Spiller Address:	40-23 24TH ST'
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	VINNY LOVARI
Spiller Phone:	(718) 967-9424
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	299586
DEC Memo:	11/30/2005 Sangesland spoke to rep at Island tank. She said the site was dug out and endpoints were clean. She said a closure report would be sent ASAP.1/4/06-Hiralkumar Patel. Here is the summary of the report from Island Environmental Tank, Inc.* According to owner, the tank has previously been used for the purpose of storing #2 heating oil and owner doesn't know when this tank was installed.* UST was installed horizontally in the backfill material, with the top of the tank located approximately 4' below the surface.* A 1080 gal. capacity tank was removed in the presence of Mr. Vinny Lovari of Island Tank Enviromental. After removal from cavity, tank has been cut and washed and removed oil and water mixture with vac/truck.* No groundwater or static surface water was encountered in the tank cavity.* Tank had pits and holes.* Tank cavity was excavated approximately 30 cubic yard of soil in 55 gal. drums and disposed at Jamaica Recycling Inc. Jamaica, NY.* Tank cavity was backfilled and

COMMERCIAL BUILDING (Continued) **S107410496**

compacted in place.* 6 samples were taken out from cavity and tested at Severn Trent Laboratory, Edison, NJ.* The metal tank and all metal tank system components were removed from teh owner's property and disposed of as scrap metal at John Iron & Metal Co.,Inc. 33 Arthur Kill Road, Staten Island, NY.1/5/06-Hiralkumar Patel. No Further Action required letter has been sent to Mr. John Domenico.Case closed as per Mr. Jeff Vought.02/03/06-Hiralkumar Patel. Send out NFA again through fax (212-689-6082) as per John's request.

Remarks: tnak removal found oil on the tank. THERE IS 3 OR 4 DRUMS THAT NEES TO BE REMOVED. THE TANK HAS BEEN CUT UP.

Material:

Site ID:	352289
Operable Unit ID:	1109795
Operable Unit:	01
Material ID:	2099814
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AP230 **43-41 32ND PLACE** **NY LTANKS** **S100560351**
East **43-41 32ND PLACE** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.481 mi.
2539 ft. **Site 4 of 4 in cluster AP**

Relative:
Higher

Actual:
37 ft.

LTANKS:

Site ID:	307482
Spill Number/Closed Date:	9303078 / 6/25/1993
Spill Date:	6/8/1993
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	6/25/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	GRIFFIN
Referred To:	Not reported
Reported to Dept:	6/8/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/1993

43-41 32ND PLACE (Continued) **S100560351**

Spill Record Last Update:	7/19/1993
Spiller Name:	Not reported
Spiller Company:	ACCO USA INC.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	248321
DEC Memo:	Not reported
Remarks:	SOIL FOUND UNDER 1200 GAL U/G TANK - TO STOCK PILE SOIL AND SEND SAMPLES TO LAB.

Material:

Site ID:	307482
Operable Unit ID:	981294
Operable Unit:	01
Material ID:	400169
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

231
NE
1/4-1/2
0.497 mi.
2623 ft.

KAL REALTY **NY LTANKS** **S103478273**
29-24 40TH AVE **N/A**
LONG ISLAND CITY, NY

Relative:
Higher

Actual:
29 ft.

LTANKS:

Site ID:	172099
Spill Number/Closed Date:	9806658 / 6/15/2005
Spill Date:	8/28/1998
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	GWHEITZM
Referred To:	Not reported
Reported to Dept:	8/31/1998
CID:	211
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported

KAL REALTY (Continued) **S103478273**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/31/1998
Spill Record Last Update:	6/15/2005
Spiller Name:	CLIFF WENGLEN
Spiller Company:	KAL REALTY
Spiller Address:	29-24 40TH AV
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	CLIFF WENGLEN
Spiller Phone:	(718) 784-2842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	144848
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"NO PREVIOUS SPILL REPORT6/15/05 Heitzman: See PBS #2-23865. 3000-gallon #2 fuel tank closed January 1999, and replaced with 1500-gallon above ground, suction piped #2 fuel tank. Spill closed.
Remarks:	TANK PREVIOUSLY TESTED AND FAILED - ON RETEST FAILED AGAIN

Material:

Site ID:	172099
Operable Unit ID:	1067880
Operable Unit:	01
Material ID:	317808
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	172099
Spill Tank Test:	1546206
Tank Number:	1
Tank Size:	0
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

232
NE
1/4-1/2
0.499 mi.
2636 ft.

CLOSED-LACKOF RECENT INFO
29024 40TH AVENUE
LONG ISLAND CITY, NY

NY LTANKS **S100144984**
N/A

Relative:
Higher

Actual:
27 ft.

LTANKS:

Site ID:	125139
Spill Number/Closed Date:	8709369 / 3/13/2003
Spill Date:	2/3/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	2/3/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/10/1988
Spill Record Last Update:	3/13/2003
Spiller Name:	Not reported
Spiller Company:	KAL REALTY (OWNER)
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	108274
DEC Memo:	Not reported
Remarks:	CONTACT: CLIFFORD WENGLIM AT KAL REALTY. 3K TANK SYSTEM FAILED PETROTITE/ LEAK RATE = -.673GPHCLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	125139
Operable Unit ID:	914629
Operable Unit:	01
Material ID:	464694
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

CLOSED-LACKOF RECENT INFO (Continued) **S100144984**

Tank Test:

Site ID:	125139
Spill Tank Test:	1533169
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

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233 NE 1/2-1 0.576 mi. 3042 ft.

FRESH CLEANERS & LAUNDRY INC
39-26 30TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG 1001125032
NY SHWS NYR000034363
NY MANIFEST
NY BROWNFIELDS

Relative: Higher

Actual: 35 ft.

RCRA-SQG:

Date form received by agency:	05/01/2007
Facility name:	FRESH CLEANERS & LAUNDRY INC
Facility address:	39-26 30TH ST LONG ISLAND CITY, NY 11101
EPA ID:	NYR000034363
Mailing address:	30TH ST LONG ISLAND CITY, NY 11101
Contact:	MOON S PARK
Contact address:	30TH ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 786-9734
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRESH CLEANERS & LAUNDRY INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/16/2007
Owner/Op end date:	Not reported
Owner/operator name:	MOON S PARK
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/16/2007
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/30/2007
Facility name: FRESH CLEANERS & LAUNDRY INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/2006
Facility name: FRESH CLEANERS & LAUNDRY INC
Site name: BRIDGE CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 01/13/1997
Facility name: FRESH CLEANERS & LAUNDRY INC
Site name: BRIDGE CLEANERS
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D007
Waste name: CHROMIUM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
  - Enforcement action date: 11/16/2012
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: EPA
  - Proposed penalty amount: Not reported
  - Final penalty amount: 35098
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: INITIAL 3008(A) COMPLIANCE
  - Enforcement action date: 03/29/2007
  - Enf. disposition status: Dropped
  - Enf. disp. status date: 10/01/2011
  - Enforcement lead agency: EPA
  - Proposed penalty amount: 35098
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/27/2006
- Date achieved compliance: 07/02/2007
- Violation lead agency: EPA
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 05/18/2006
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: EPA
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 10/01/2011
- Evaluation: NOT A SIGNIFICANT NON-COMPLIER
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: EPA

- Evaluation date: 08/18/2011
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/02/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/29/2006
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/02/2007
Evaluation lead agency: EPA

Evaluation date: 08/28/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

SHWS:
Program: HW
Site Code: 440982
Classification: N
Region: 2
Acres: .173
HW Code: 241127
Record Add: 10/15/2010
Record Upd: 10/31/2013
Updated By: MJKOMORO
Site Description: LOCATION: The site is located in an urban area. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings. See Site No. C241127SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade.

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	On-Site Operator
Sub Type:	03
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	37-24 30th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

NY MANIFEST:
EPA ID: NYR000034363
Country: USA
Mailing Name: BRIDGE CLEANERS
Mailing Contact: YOUNG YOO
Mailing Address: 39-26 30TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-706-1077

Document ID: NYC4872317
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYGF2859
Trans2 State ID: MO001
Generator Ship Date: 970925
Trans1 Recv Date: 970925
Trans2 Recv Date: 970930
TSD Site Recv Date: 971001
Part A Recv Date: 971103
Part B Recv Date: 971024
Generator EPA ID: NYR000034363
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: MOD095038998
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97

Document ID: NYC5907644
Manifest Status: Not reported
Trans1 State ID: SCD987574647
Trans2 State ID: ILD984908202
Generator Ship Date: 09/23/1999
Trans1 Recv Date: 09/23/1999
Trans2 Recv Date: 09/23/1999
TSD Site Recv Date: 10/01/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: T104414

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00780
Units:	P - Pounds
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5499213
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	01/12/1999
Trans1 Recv Date:	01/12/1999
Trans2 Recv Date:	01/13/1999
TSD Site Recv Date:	01/19/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	NYLP3931
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00585
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5555621
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	05/07/1999
Trans1 Recv Date:	05/07/1999
Trans2 Recv Date:	05/12/1999
TSD Site Recv Date:	05/16/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	AM6252NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	01560
Units:	P - Pounds
Number of Containers:	085
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Document ID:	NYC5565598
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	03/16/1999
Trans1 Recv Date:	03/16/1999
Trans2 Recv Date:	03/17/1999
TSD Site Recv Date:	03/19/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	LP3931NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5892254
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	08/24/1999
Trans1 Recv Date:	08/24/1999
Trans2 Recv Date:	09/01/1999
TSD Site Recv Date:	09/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	AM6252NY
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5679066
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	07/02/1999
Trans1 Recv Date:	07/02/1999
Trans2 Recv Date:	07/07/1999
TSD Site Recv Date:	07/15/1999
Part A Recv Date:	Not reported

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: AM6252NY
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00480
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYC5933542
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647
Generator Ship Date: 11/16/1999
Trans1 Recv Date: 11/16/1999
Trans2 Recv Date: 11/24/1999
TSD Site Recv Date: 11/30/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: AM6252NY
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 99

Document ID: NYC6918390
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 11/05/2002
Trans1 Recv Date: 11/05/2002
Trans2 Recv Date: 11/08/2002
TSD Site Recv Date: 11/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NY384168J
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00975
Units: P - Pounds
Number of Containers: 003

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6740561
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 07/25/2002
Trans1 Recv Date: 07/25/2002
Trans2 Recv Date: 08/02/2002
TSD Site Recv Date: 08/02/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NYGF1411
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6806575
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: NJD071629976
Generator Ship Date: 06/04/2002
Trans1 Recv Date: 06/04/2002
Trans2 Recv Date: 06/07/2002
TSD Site Recv Date: 06/07/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NY94885JE
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00585
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6660584
Manifest Status: Not reported
Trans1 State ID: SCR000075150

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 State ID: Not reported
Generator Ship Date: 02/09/2002
Trans1 Recv Date: 02/09/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: NJXAB6384
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00780
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG0325764
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 04/12/2004
Trans1 Recv Date: 04/12/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/15/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019366
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 11/12/2004
Trans1 Recv Date: 11/12/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/18/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00090
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019618
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 09/03/2004
Trans1 Recv Date: 09/03/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/09/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00390
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2018214
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 05/27/2004
Trans1 Recv Date: 05/27/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/02/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00520
Units: P - Pounds
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Year: 2004

Document ID: NYG2018745
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 07/27/2004
Trans1 Recv Date: 07/27/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/29/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00650
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG2019114
Manifest Status: Not reported
Trans1 State ID: NJ420
Trans2 State ID: Not reported
Generator Ship Date: 10/11/2004
Trans1 Recv Date: 10/11/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/14/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000034363
Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NJD000564
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00780
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2004

Document ID: NYG4447602
Manifest Status: Not reported
Trans1 State ID: NJD000564906
Trans2 State ID: Not reported
Generator Ship Date: 02/24/2006
Trans1 Recv Date: 02/24/2006

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/03/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	NJ420
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000564906
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00520
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2006

Document ID:	NYG4242249
Manifest Status:	Not reported
Trans1 State ID:	NJD000564906
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2006
Trans1 Recv Date:	07/27/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/04/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000034363
Trans1 EPA ID:	NJ420
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000564906
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00160
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2006

Click this hyperlink while viewing on your computer to access
118 additional NY_MANIFEST: record(s) in the EDR Site Report.

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

BROWNFIELDS:
Program: BCP
Site Code: 480014
Site Description: LOCATION: This is an off-site of the The Bridge Cleaners site located at 39-26 30th Street in Long Island City, an urban area. SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings.HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade. Significant Threat: "The site presents a significant environmental threat due to the ongoing releases of contaminants from source areas into groundwater."
Health Problem: Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Furthermore,

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

environmental sampling indicates that soil vapor intrusion represents a concern for on and off-site structures and additional evaluation is necessary to determine the extent of exposure to contamination in this media.

Program: BCP
Site Code: 464609
Site Description: LOCATION: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. SITE FEATURES: A 7500 square foot one-story concrete building occupies the entire lot. The back of the lot abuts adjacent buildings. The building has no basement.CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings.HISTORICAL USES: The site was occupied by a commercial laundry and dry cleaner up until 2011, when the DEC investigation of the property began. Records indicate at least 10 years of use as a dry-cleaner. The building is currently vacant. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL in the vicinity of the site. Soils in the area are primarily sand.5/17/13-DEC signed the Brownfield Cleanup Agreement for this site.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation, NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade, and below the water table at 25.5 feet.
Health Problem: Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and

FRESH CLEANERS & LAUNDRY INC (Continued) **1001125032**

affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Furthermore, environmental sampling indicates that soil vapor intrusion represents a concern for on and off-site structures and additional evaluation is necessary to determine the extent of exposure to contamination in this media.

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234 West 1/2-1 0.599 mi. 3161 ft. **KOSAN INDUSTRIAL CORP** **CORRACTS** **1000150474**
5-49 49TH AVE **RCRA NonGen / NLR** **NYD061949228**
LONG ISLAND CITY, NY 11101 **FINDS**
NY MANIFEST

Relative: Lower

Actual: 7 ft.

CORRACTS:

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	20040113
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950228
Action:	CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950425
Action:	CA050 - RFA Completed
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950425
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	32551 Paint and Coating Manufacturing
Original schedule date:	Not reported

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Schedule end date: Not reported

EPA ID: NYD061949228
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950425
Action: CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
NAICS Code(s): 32551
Paint and Coating Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD061949228
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19930908
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32551
Paint and Coating Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: KOSAN INDUSTRIAL CORP
Facility address: 5-49 49TH AVE
LONG ISLAND CITY, NY 111015610
EPA ID: NYD061949228
Mailing address: 49TH AVE
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 49TH AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STEPHEN GALGANO
Owner/operator address: 465 LOGAN ST
BROOKLYN, NY 11208
Owner/operator country: US
Owner/operator telephone: (212) 277-3333
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEPHEN GALGANO
Owner/operator address: 465 LOGAN ST

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 277-3333
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 02/28/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.

Event date: 04/25/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Event date: 04/25/1995
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.

Event date: 04/25/1995
Event: RFA Completed

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/13/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000616539

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD061949228
Country: USA
Mailing Name: KOSAN INDUSTRIAL CORP
Mailing Contact: THOMAS GILCHRIST OWNER SE
Mailing Address: 5-49 49ATH AVENUE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-784-8385

Document ID: NYO3019401
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 830616
Trans1 Recv Date: 830616
Trans2 Recv Date: Not reported
TSD Site Recv Date: 830616
Part A Recv Date: 030628

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Part B Recv Date: 030628
Generator EPA ID: NYD061949228
Trans1 EPA ID: NYD000824334
Trans2 EPA ID: Not reported
TSDF ID: NYD000824334
Waste Code: F003 - UNKNOWN
Quantity: 01100
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 020
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 83

Document ID: NYO3080565
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 830831
Trans1 Recv Date: 830831
Trans2 Recv Date: Not reported
TSD Site Recv Date: 830831
Part A Recv Date: 030913
Part B Recv Date: 030913
Generator EPA ID: NYD061949228
Trans1 EPA ID: NYD000824334
Trans2 EPA ID: Not reported
TSDF ID: NYD000824334
Waste Code: F003 - UNKNOWN
Quantity: 00385
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 83

Document ID: NYO1651896
Manifest Status: Completed copy
Trans1 State ID: NY2A074
Trans2 State ID: Not reported
Generator Ship Date: 821117
Trans1 Recv Date: 821117
Trans2 Recv Date: Not reported
TSD Site Recv Date: 821117
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD061949228

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO1650393
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820703
Trans1 Recv Date:	820703
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820730
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00715
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO1650717
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820915
Trans1 Recv Date:	820915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820915
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Specific Gravity:	100
Year:	82
Document ID:	NYO2904912
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830210
Trans1 Recv Date:	830210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830210
Part A Recv Date:	030222
Part B Recv Date:	030222
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83

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235 **AMTRAK SUNNYSIDE YARD** **NY SHWS** **S103575644**
NE **39-29 HONEYWELL STREET** **NY LTANKS** **N/A**
1/2-1 **LONG ISLAND CITY, NY** **NY Spills**
0.620 mi.
3273 ft.

Relative:
Higher

Actual:
23 ft.

SHWS:

Program:	HW
Site Code:	57794
Classification:	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region:	2
Acres:	133.000
HW Code:	241006
Record Add:	11/18/1999
Record Upd:	05/28/2013
Updated By:	JHOCONNE

Site Description: Location:Sunnyside Yard (the Site) is located at 39-29 Honeywell Street, Long Island City, Queens County, New York.Site Features:The Site is a railroad maintenance and storage facility that currently encompasses approximately 133 acres. Newtown Creek, which defines the border between Queens and Kings Counties, is located less than 0.5 mile south of the western portion of the Site. The Site is bordered by commercial/residential properties, with Northern Boulevard located to the north, 42nd Place located to the east, Thompson Avenue to the west, and Skillman Avenue located to the south. Current Zoning/Use:The Site is located in Manufacturing Zone (M1-1) and used as a railroad maintenance and storage facility Historic Use:The Yard was originally constructed in the early 1900's by the Pennsylvania Tunnel and Terminal Company, a subsidiary of Pennsylvania Railroad (later known as the Penn Central Transportation Company). On April 1,

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

1976, the Consolidated Rail Corporation (Conrail) acquired the Site, and the same day conveyed it to Amtrak, which has continued to operate it as a storage and maintenance facility for railroad rolling stock. Prior to September 29, 1961, a portion of the yard was owned by Long Island Rail Road (LIRR). Today, the LIRR maintains a right-of-way through the Yard. The Long Island Railroad (LIRR) is constructing tunnels through the Yard as part of its East Side Access (ESA) project. An extensive cleanup program was completed in 1996 to remove PCB contaminated sediment from impacted sewer manholes with subsequent sampling to identify sewer segments and manholes with recurring PCB contaminated sediment impacts.Operable Units:The site is divided into six operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. The operable units for this site are: Operable unit 1 (OU1) is the soil above the water table within the footprint of the High Speed Trainset Facility Service and Inspection (HSTF S and I) Building.Operable unit 2 (OU2) is the soil above the water table within the footprint of the HSTF S and I Building ancillary structures.Operable unit 3 (OU3) is the soil and separate phase petroleum hydrocarbon accumulation above the water table and soil below the water table within 8 acres in the north central portion of the Site.Operable unit 4 (OU4) is the soil above the water table (unsaturated zone) at the Site, excluding OU-1, OU-2, and OU-3. Operable unit 5 (OU5) is the sewer system (water and sediment) beneath the Site. Operable unit 6 (OU6) is the groundwater and saturated soil beneath the Site. Site Geology and Hydrology:Historic fill on the Site is predominantly comprised of reworked glacial deposits (unstratified sand, silt, clay and gravel) and railroad ballast, with lesser amounts of ash, cinders and construction debris. With the exception of paved areas, land occupied by buildings, and vegetated areas, the railroad ballast is ubiquitous at the land surface throughout the Site. Groundwater beneath the Site occurs in fill deposits, wetlands, or the Upper Pleistocene glacial deposits. The saturated Upper Pleistocene deposits comprise the Upper Glacial aquifer. The depth to groundwater across the Site varies from one to fifteen feet below ground surface. Groundwater within the shallow deposits flows predominantly west across the Site. However, groundwater between Queens Boulevard and Honeywell Street flows northerly and northwesterly toward the buried flow path of the Dutch Kills Creek and/or East River. In the deeper deposits, groundwater predominantly flows west across the Site.

Env Problem: Nature and Extent of Contamination:Prior to Remediation:Remedial investigations have been conducted in multiple phases under NYSDEC oversight pursuant to the consent order. Seventeen specific areas of concern (AOC) were identified of concern (COCs). The following environmental exposure pathways and ecological risks have been identified for the Site:The Site poses an environmental threat associated with the potential impacts of contaminants to groundwater from soils impacted by the COC's. Continued migration of contaminated groundwater from off-site sources poses a potential environmental threat to on-site groundwater. Off-site sources will be addressed by remedial programs for the respective neighboring sites, as appropriate. There are no wetlands or other exposure pathways to fish and wildlife receptors in the Site.Operable Unit 1: Polychlorinated biphenyls (PCBs) were detected in 16 of 19 soil samples; all but one

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

were less than 1 parts per million (ppm). The maximum concentration was 2 ppm. Six semi-volatile organic compounds (SVOCs), specifically carcinogenic polycyclic aromatic hydrocarbons (cPAHs), were detected above Technical and Administrative Guidance Memo (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs) at depths up to three feet below ground surface (bgs). However, there was only one exceedance of the site specific soil cleanup level (SSSCL) of 10 ppm. Operable Unit 2: The soil above groundwater was sampled at depths up to three feet bgs. PCBs were detected in 15 of the 20 samples at a maximum concentration of 4.5 ppm. The other compounds of concern (COCs), lead and total cPAHs, were also detected at levels below the SSSCLs of 1000 ppm and 25 ppm respectively. Therefore, No Action was selected in the Record of Decision (ROD). Operable Unit 3:Surface Soil - The SSSCLs were exceeded for PCBs (2 out of 102 samples); lead (3 out of 3) and cPAHs (2 out of 27). The maximum concentration for PCBs was 73 ppm; for lead it was 1,080 ppm and cPAHs 108 ppm. Additionally, half an acre of visible petroleum contaminated surface soil was delineated at an average depth of one foot bgs. Subsurface Soil - There were no exceedances of the SSSCLs for the COCs.Waste Materials - The waste material onsite consists of PCB contaminated petroleum present in: (1) surface soils as mentioned above; (2) a potentially mobile separate phase hydrocarbon (SPH) plume floating over the groundwater surface; (3) a residual SPH trapped in soil pores below the water table; and (4) residues in underground structures. Sixty-five samples of SPH were collected and analyzed for PCBs. The maximum concentration was 360 ppm. SPH and sludge samples taken from underground structures contained PCB concentrations of 512 and 517 ppm respectively.Operable Unit 4:Surface Soil - There were exceedances of the SSSCLs for PCBs (60 out of 786 samples); lead (52 out of 471); and cPAHs (31 out of 436). The maximum PCB concentration was 25,000 ppm; cPAH was 113 ppm and lead was 7,020 ppm.Subsurface Soil - There were exceedances in soil samples for the SSSCLs viz. PCBs (13 of 455); lead (17 of 354) and cPAHs (18 of 376). The maximum PCB concentration was 3500 ppm; lead was 2600 ppm and cPAH was 119 ppm.Operable Unit 5:Sewer Sediment - PCBs were detected in 29 samples of sediment from the sewers at concentrations ranging from 0.053 ppm at MH-69 to 120 ppm at MH-6. PCB concentrations at MH-6 (one sample) and MH-38 (two samples) exceeded the 25 ppm NYSDEC-approved site specific soil cleanup level. MH-6 was remediated as an IRM in October 2011.Sewer Water - Discrete water samples (filtered and unfiltered) were collected from 12 manhole locations and analyzed for PCBs during performance of the OU-5 RI. PCBs were detected in 17 of 39 unfiltered samples with concentrations ranging from 0.14 parts per billion (ppb) to a high of 83 ppb. Five of the unfiltered samples, one from MH-3, three from MH-6 and one from MH-40 exceeded the 1 ppb waste water effluent limit. The waste water effluent limit is appropriate since the sewer discharges to a Waste Water Treatment Plant. Only one of the 39 filtered samples (MH-3) contained PCBs at a concentration (1.8 ppb) slightly exceeding the 1 ppb waste water effluent limit.Operable Unit 6:Saturated Subsurface Soil - A total of 159 samples of soil were collected from 29 boring locations. There were no exceedances of the SSSCLs for the COCs.Groundwater - Three plumes of chlorinated volatile organic compounds (CVOCs) were defined at the site. However, none of these were attributable to site operations, but are attributable to off-site sources. No site related groundwater contamination of concern was identified.Post Remediation:Remediation has been

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

	completed in OU-1 where 472 tons of contaminated soil, fill and debris were excavated and disposed of along with 280 cubic yards of concrete and asphalt and 2,450 gallons of liquid. A No Action ROD was issued for OU-2. Remediation has been initiated at OU-3 and OU-4. The OU-5 ROD for cleaning the sewers was issued on March 27, 2011, and the OU-6 ROD (No Action) was issued on March 30, 2010.
Health Problem:	Groundwater in the area of the site is not used as a source of potable water. Access to the site is controlled, preventing trespassers from coming in contact with contaminated soils.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1910
Disp Term:	unknown
Lat/Long:	40:45:03:0 / 73:56:01:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	400 N. CAPITOL ST. NW
Owner Addr2:	Not reported
Owner City,St,Zip:	WASHINGTON, DC 20001
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	JOSEPH P. DEVITO
Owner Company:	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address:	39-29 HONEYWELL ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Queens Public Library
Owner Address:	Sunnyside Branch
Owner Addr2:	43-06 Greenpoint Avenue
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	National Rail Passenger Corporation

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Owner Address:	400 North Capitol Street NW
Owner Addr2:	Not reported
Owner City,St,Zip:	Washington, DC 20001
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Amtrak - Sunnyside Yard
Owner Address:	39-29 Honeywell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Amtrak and New Jersey Transit Corp
Owner Address:	39-29 Honeywell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Sunnyside, NY 11101
Owner Country:	United States of America
HW Code:	241006
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	METHYL-TERT-BUTYL ETHER (MTBE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	1,1,2-TRICHLORETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241006

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: 1,2,4-TRICHLOROBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241006
Waste Type: BENZO[K]FLUORANTHENE

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: P-79652
Cross Ref Type Code: 11
Cross Ref Type: ICS ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 2/24/2005 3:54:00 PM
Updated By: INITIAL

LTANKS:
Site ID: 97453
Spill Number/Closed Date: 9013163 / 3/14/2003
Spill Date: 3/23/1991
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 3/26/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/4/1991
Spill Record Last Update: 3/30/2004
Spiller Name: Not reported
Spiller Company: AMTRAK
Spiller Address: 39-29 HONEYWELL STREET
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 86808
DEC Memo: Not reported
Remarks: 20K TANK FAILED,CONTRACTOR WILL PUMP TANK,PRESENTLY ROUX ASSOCIATES PERFORMING SITE ASSESSMENT,SITE IS PART OF RIFF PROJECT,JAMES QUINN, DEC REMEDIAL ACTION (518-457-3395).CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:
Site ID: 97453
Operable Unit ID: 950385
Operable Unit: 01
Material ID: 426055
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	97453
Spill Tank Test:	1538365
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	97456
Spill Number/Closed Date:	9207333 / 11/24/2003
Spill Date:	1/1/1991
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	9/24/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/28/1992
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	86808
DEC Memo:	Not reported
Remarks:	ALL 14 TANKS CLEANED AND FILLED W/CONCRETE 4 TEST BORINES DONE 2/10/92, 4 EA MONITORING WELLS 3/3/92 INDICATES CONTAMINATED SOIL AND G/W CLOSED SITE 1960

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material:

Site ID:	97456
Operable Unit ID:	970974
Operable Unit:	01
Material ID:	407971
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	8703955
DER Facility ID:	86808
Facility Type:	ER
Site ID:	97452
DEC Region:	2
Spill Date:	8/12/1987
Spill Number/Closed Date:	8703955 / 8/12/1987
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	8/12/1987
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Local Agency
Cleanup Ceased:	8/12/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/18/1987
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FIRE ON LOCOMOTIVE CARRYING TRANSFORMER.

Material:

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Site ID:	97452
Operable Unit ID:	907846
Operable Unit:	01
Material ID:	470160
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9804210
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219140
DEC Region:	2
Spill Date:	7/2/1998
Spill Number/Closed Date:	9804210 / 8/27/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/3/1998
CID:	365
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/3/1998
Spill Record Last Update:	11/24/2003
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASSENG
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	RICHARD MOHLENHOFF
Contact Phone:	(212) 630-7246
DEC Memo:	Not reported
Remarks:	Small railroad tie fire occurred last night - drum near by spilled - clean up in progress

Material:

Site ID:	219140
Operable Unit ID:	1065071

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Operable Unit:	01
Material ID:	318926
Material Code:	0021
Material Name:	Transmission Fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0103793
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219136
DEC Region:	2
Spill Date:	7/10/2001
Spill Number/Closed Date:	0103793 / 6/26/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/10/2001
CID:	382
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/10/2001
Spill Record Last Update:	3/30/2004
Spiller Name:	ENVIRONMENTAL DEPT
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	A leak from either pipe or tank of a low ph car wash fluid - leak found while repairing tank. most contained to inside area but some seepage into ground. clean up in progress by clean harbors and amtrack Not reported

Material:

Site ID:	219136
Operable Unit ID:	840419

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Operable Unit:	01
Material ID:	535869
Material Code:	0045A
Material Name:	CLEANING CHEMICALS/PRODUCTS
Case No.:	Not reported
Material FA:	Other
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9102570
DER Facility ID:	86808
Facility Type:	ER
Site ID:	97454
DEC Region:	2
Spill Date:	6/4/1991
Spill Number/Closed Date:	9102570 / 6/4/1991
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	6/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Local Agency
Cleanup Ceased:	6/4/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/12/1991
Spill Record Last Update:	11/24/2003
Spiller Name:	Not reported
Spiller Company:	STAR ENTERPRISE
Spiller Address:	Not reported
Spiller City,St,Zip:	DELAWARE CITY, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"06/04/91: NYCFD HAZ MAT (SCOTT KIRCHHOFER) FIRST NOTIFIED BY A LIRR EMPLOYEE ABOUT SMELLING AN ODOR & NOTICING A HISSING NOISE ON TOP OF TANK, NYCDEP ON SCENE,NYCFD SLOWED THE LEAK SIGNIFICANTLY. Spill Site Investigation has been consolidated under Spill No.8503066 and Site Investigation and Remediation is BeingSupervised by Hazardous Waste Remediation Under DEC Site No.241006 Under the State Superfund Registry as a Class 2 SuperfundSite.
Remarks:	LEAK FROM TANK CAR,STREETS CLOSED FROM 31ST ST TO STEINWAY ALONG

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

NORTHERN BLV,NYCFD ATTEMPTING TO SEAL THE LEAK,GATX LEASED THE RR CAR TO ANOTHER COMPANY FOR TRANSPORT,EPA(JOHN HIGGINS)TO RESPOND

Material:

Site ID:	97454
Operable Unit ID:	953473
Operable Unit:	01
Material ID:	425081
Material Code:	0599A
Material Name:	LPG
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9903705
DER Facility ID:	86808
Facility Type:	ER
Site ID:	219143
DEC Region:	2
Spill Date:	6/29/1999
Spill Number/Closed Date:	9903705 / 11/24/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	6/30/1999
CID:	390
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/30/1999
Spill Record Last Update:	11/24/2003
Spiller Name:	ROBERT LAROSA
Spiller Company:	NATIONAL RAILROAD PASS
Spiller Address:	400 WEST 31ST STREET, 4TH
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller Company:	001
Contact Name:	ROBERT LAVELLE
Contact Phone:	(212) 630-7245
DEC Memo:	Not reported
Remarks:	NOTICED SPIIL DURING EXCAVATION - APPEARS TO BE OLD SPILL

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Material:

Site ID:	219143
Operable Unit ID:	1078257
Operable Unit:	01
Material ID:	303613
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	219143
Operable Unit ID:	1078257
Operable Unit:	01
Material ID:	303614
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

236
North
1/2-1
0.712 mi.
3759 ft.

Relative:
Higher

Actual:
16 ft.

D D K PRO CLEANERS **NY SHWS S109826034**
38-68 13TH ST **NY MANIFEST N/A**
LONG ISLAND CITY, NY 11101

SHWS:

Program:	HW
Site Code:	439625
Classification:	P
Region:	2
Acres:	.110
HW Code:	241126
Record Add:	09/08/2010
Record Upd:	09/20/2011
Updated By:	JBVOUGHT

Site Description: The Site is located in the Long Island City section of Queens in a zoned manufacturing area with residential zoning approximately 300 feet to the south. The Site had been a residential building with garages beginning in 1898, was vacant from 1947-1950, was used for sheet metal work from 1967-1983 and was converted from sheet metal work to dry cleaning in 1997. The Site is currently an active dry cleaning facility. The one-story building foundation is slab-on-grade

D D K PRO CLEANERS (Continued) **S109826034**

and contains dry cleaning machines, garment storage area, storage, boiler room, office, customer service area, bathroom and partial basement. The building covers the entire footprint of the site. The building has three 4th-generation dry cleaning machines on a secondary containment concrete slab, five washers and a dryer, several empty 15-gal waste containers, spill containment material container, a spotting stand, ten press machines, three sets of shirt machines, four air compressors, two refrigerated dryers and a sump. The Site and building are approximately 5000 square feet in size (0.11 acres). A residential building is located immediately to the northwest (0.01 miles), a stonework building is to the northeast, a fine arts furniture building to the southwest and 13th Street to the southeast.

Env Problem:	Based upon investigations conducted to date, the primary contaminants of concern at the site include tetrachloroethene (PCE) and dichloroethene (DCE). One round of groundwater sample collection was performed in June 2009 via two Geoprobe borings located in the sidewalk in front of the site building. Groundwater samples were analyzed via EPA Methods 8260/8270. No soil samples were collected for analysis during the investigation. The following maximum concentrations with contaminants were observed in groundwater: 26ppb PCE and 63ppb DCE. These results demonstrate that groundwater standards have been exceeded for PCE and DCE. The nearest surface water body is the East River, which is located approximately 2000 feet (0.3 miles) to the west. Groundwater is approximately 7 to 8 feet below grade and most likely flows west under the Site to the East River, however direction of flow has not been specifically determined to date. Site characterization is required to evaluate the presence or absence of hazardous waste on the site, and to collect data sufficient to determine if the site poses a significant threat to public health or the environment.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Maryuhn Young Moon
Owner Company:	Best DDK Cleaners
Owner Address:	471 Tulane Court
Owner Addr2:	Not reported
Owner City,St,Zip:	Paramus, NJ 07654
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

NY MANIFEST:
EPA ID: NYR000164277
Country: USA
Mailing Name: D D K PRO CLEANERS
Mailing Contact: KYAW
Mailing Address: 38-68 13TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-784-2407

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000081205
Trans2 State ID: Not reported
Generator Ship Date: 28-May-2013 00:00:00
Trans1 Recv Date: 28-May-2013 00:00:00
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12-Jun-2013 00:00:00
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 660
Units: P - Pounds
Number of Containers: 6
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 003308229SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H020

D D K PRO CLEANERS (Continued) **S109826034**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	480
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1

D D K PRO CLEANERS (Continued) **S109826034**

Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	440
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	240
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	08-Apr-2013 00:00:00
Trans1 Recv Date:	08-Apr-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	16-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003403011SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: OKD981588791
Generator Ship Date: 2010-01-28
Trans1 Recv Date: 2010-01-28
Trans2 Recv Date: 2010-02-23
TSD Site Recv Date: 2010-02-25
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OHD980587364
Waste Code: Not reported
Quantity: 780.0
Units: P - Pounds
Number of Containers: 4.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2010
Manifest Tracking Num: 002051873SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: OHR000110858
Generator Ship Date: 2009-05-06
Trans1 Recv Date: 2009-05-06
Trans2 Recv Date: 2009-05-14
TSD Site Recv Date: 2009-05-15
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OHD980587364
Waste Code: Not reported
Quantity: 15.0
Units: P - Pounds
Number of Containers: 8.0

D D K PRO CLEANERS (Continued) **S109826034**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	195.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-11-11
Trans1 Recv Date:	2009-11-11
Trans2 Recv Date:	2009-11-13
TSD Site Recv Date:	2009-11-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	385.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000281979CEX
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Quantity:	660.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

D D K PRO CLEANERS (Continued) **S109826034**

Click this hyperlink while viewing on your computer to access
62 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYR000001917
Country:	USA
Mailing Name:	LAMODE QUEENS
Mailing Contact:	SUNS WON AHN
Mailing Address:	38-68 13TH ST
Mailing Address 2:	Not reported
Mailing City:	QUEENS
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2844

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	660
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 State ID:	Not reported
Generator Ship Date:	28-May-2013 00:00:00
Trans1 Recv Date:	28-May-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	480
Units:	P - Pounds
Number of Containers:	6
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308229SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	440
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	31-Jan-2013 00:00:00
Trans1 Recv Date:	31-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	15-Feb-2013 00:00:00
Part A Recv Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308603SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	240
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	04-Mar-2013 00:00:00
Trans1 Recv Date:	04-Mar-2013 00:00:00
Trans2 Recv Date:	07-Mar-2013 00:00:00
TSD Site Recv Date:	18-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003308886SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	08-Apr-2013 00:00:00
Trans1 Recv Date:	08-Apr-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	16-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	770
Units:	P - Pounds
Number of Containers:	7
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003403011SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

D D K PRO CLEANERS (Continued) **S109826034**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OKD981588791
Generator Ship Date:	2010-01-28
Trans1 Recv Date:	2010-01-28
Trans2 Recv Date:	2010-02-23
TSD Site Recv Date:	2010-02-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	780.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	002051873SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	8.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0

D D K PRO CLEANERS (Continued) **S109826034**

Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OHR000110858
Generator Ship Date:	2009-05-06
Trans1 Recv Date:	2009-05-06
Trans2 Recv Date:	2009-05-14
TSD Site Recv Date:	2009-05-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	195.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805322SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-11-11
Trans1 Recv Date:	2009-11-11

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 Recv Date:	2009-11-13
TSD Site Recv Date:	2009-11-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	385.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000281979CEX
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	110.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

D D K PRO CLEANERS (Continued) **S109826034**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-09-29
Trans1 Recv Date:	2011-09-29
Trans2 Recv Date:	2011-10-06
TSD Site Recv Date:	2011-10-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592157SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	550.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-11-28
Trans1 Recv Date:	2011-11-28
Trans2 Recv Date:	2011-12-01
TSD Site Recv Date:	2011-12-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002592410SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

D D K PRO CLEANERS (Continued) **S109826034**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2011-11-28
Trans1 Recv Date: 2011-11-28
Trans2 Recv Date: 2011-12-01
TSD Site Recv Date: 2011-12-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 80.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 002592410SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2011-04-01
Trans1 Recv Date: 2011-04-01
Trans2 Recv Date: 2011-04-07
TSD Site Recv Date: 2011-04-08
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000164277
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 660.0
Units: P - Pounds
Number of Containers: 6.0

D D K PRO CLEANERS (Continued) **S109826034**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-04-01
Trans1 Recv Date:	2011-04-01
Trans2 Recv Date:	2011-04-07
TSD Site Recv Date:	2011-04-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000164277
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	330.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002593637SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Click this hyperlink while viewing on your computer to access
62 additional NY_MANIFEST: record(s) in the EDR Site Report.

237
SSE
1/2-1
0.748 mi.
3949 ft.

ACTIVE STEEL DRUM CO INC
52-30 34TH ST
LONG ISLAND CITY, NY 11101

CORRACTS **1000265123**
RCRA NonGen / NLR **NYD003933355**
FINDS
NY MANIFEST

Relative:
Higher

Actual:
21 ft.

CORRACTS:

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	20040113
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19930908
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950919
Action:	CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD003933355
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19950928
Action:	CA050 - RFA Completed
NAICS Code(s):	332439 81149 42184 Other Metal Container Manufacturing Other Personal and Household Goods Repair and Maintenance
Original schedule date:	Not reported

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Schedule end date: Not reported

EPA ID: NYD003933355
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950928
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 332439 81149 42184
Other Metal Container Manufacturing
Other Personal and Household Goods Repair and Maintenance
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ACTIVE STEEL DRUM CO INC
Facility address: 52-30 34TH ST
LONG ISLAND CITY, NY 111013202
EPA ID: NYD003933355
Mailing address: 34TH ST
LONG ISLAND CITY, NY 11101
Contact: Not reported
Contact address: 34TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BARRY K. FINE
Owner/operator address: 27 LAWRANCE LANE
OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: (516) 665-4375
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BARRY K FINE
Owner/operator address: 27 LAWRANCE LANE
BAY SHORE, NY 11706
Owner/operator country: US
Owner/operator telephone: (516) 665-4375
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: No

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: ACTIVE STEEL DRUM CO INC
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 09/19/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 09/28/1995
Event: RFA Completed

Event date: 09/28/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/13/1984
Date achieved compliance: 05/13/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/27/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/13/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/13/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110000616432

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD003933355
Country: USA
Mailing Name: ACTIVE STEEL DRUM
Mailing Contact: FINE BARRY K PRESIDENT
Mailing Address: 52-30 34TH ST
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: 3202
Mailing Country: USA
Mailing Phone: 212-786-9300

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Document ID:	NJO0174158
Manifest Status:	Completed copy
Trans1 State ID:	S3002BN
Trans2 State ID:	Not reported
Generator Ship Date:	830603
Trans1 Recv Date:	830603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830603
Part A Recv Date:	030614
Part B Recv Date:	030614
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D000 - NON-LISTED TOXIC WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	02400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	048
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

Document ID:	NYO1554021
Manifest Status:	Completed copy
Trans1 State ID:	NYJA045
Trans2 State ID:	Not reported
Generator Ship Date:	830504
Trans1 Recv Date:	830504
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830504
Part A Recv Date:	030509
Part B Recv Date:	030509
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00950
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748151
Manifest Status:	Completed copy

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830407
Trans1 Recv Date:	830407
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830408
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYP000775650
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	U220 - TOLUENE
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748187
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830409
Trans1 Recv Date:	830409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830411
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00023
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1031967
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840719
Part A Recv Date:	840904
Part B Recv Date:	840726
Generator EPA ID:	NYD003933355

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00012
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

EPA ID:	NYP000775650
Country:	USA
Mailing Name:	ACTIVE STEEL DRUM
Mailing Contact:	UNKNOWN
Mailing Address:	52-30 34TH ST
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	3202
Mailing Country:	USA
Mailing Phone:	212-786-9300

Document ID:	NJO0174158
Manifest Status:	Completed copy
Trans1 State ID:	S3002BN
Trans2 State ID:	Not reported
Generator Ship Date:	830603
Trans1 Recv Date:	830603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830603
Part A Recv Date:	030614
Part B Recv Date:	030614
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D000 - NON-LISTED TOXIC WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	02400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	048
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Document ID:	NYO1554021
Manifest Status:	Completed copy
Trans1 State ID:	NYJA045
Trans2 State ID:	Not reported
Generator Ship Date:	830504
Trans1 Recv Date:	830504
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830504
Part A Recv Date:	030509
Part B Recv Date:	030509
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	NJD096865837
Trans2 EPA ID:	Not reported
TSDF ID:	NJD096865837
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00950
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748151
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830407
Trans1 Recv Date:	830407
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830408
Part A Recv Date:	030502
Part B Recv Date:	030502
Generator EPA ID:	NYP000775650
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	U220 - TOLUENE
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1748187
Manifest Status:	Completed copy
Trans1 State ID:	NYOH003
Trans2 State ID:	Not reported
Generator Ship Date:	830409
Trans1 Recv Date:	830409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830411
Part A Recv Date:	030502

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

Part B Recv Date:	030502
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00023
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	83

Document ID:	NYO1031967
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840719
Part A Recv Date:	840904
Part B Recv Date:	840726
Generator EPA ID:	NYD003933355
Trans1 EPA ID:	OHD075006304
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00012
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

238
NNE
1/2-1
0.794 mi.
4193 ft.

JUNG SUN LAUNDRY SITE **NY SHWS** **S110246984**
37-10 24TH STREET **NY DRYCLEANERS** **N/A**
LONG ISLAND CITY, NY 11101

Relative:
Higher

Actual:
19 ft.

SHWS:

Program:	HW
Site Code:	374812
Classification:	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region:	2
Acres:	.480
HW Code:	241102
Record Add:	12/13/2006
Record Upd:	10/08/2013
Updated By:	JAMORAS
Site Description:	Location: The Site is located in a mixed residential/commercial/light industrial area of Long Island City (Borough of Queens), NY. The location of the Site is the west corner of the intersection of 24th

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

Street and 37th Avenue. Site Features: The site consists of four property lots. The main site features included single story buildings on three lots and an open area on the fourth lot. There were three inter-connected single story buildings, which occupied three adjacent lots. Recently (late summer 2013)the new owner demolished the structures on two lots down to the slab. The previous owner still owns one lot and the abandoned structure on that lot is still there. Approximately one third of the Site is made up of the fourth lot, which has and continues to be an open area which extends to the west up to 23rd Street. The open area also houses a tractor trailer sized metal storage container. The site is currently secured with a fence and a lockable gate. Current Zoning and Land Use: The site property is currently inactive and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial, light industrial and utility right-of-ways. The nearest residential area is located north (upgradient) of the site, on the other side of 37th Avenue. There is a residential area approximately 400 feet south (downgradient) of the Site, on the south side of 38th Avenue. Past Use of the Site: From the 1930s to the late 1980s, the Site was used as a commercial laundry. The Site was utilized as a commercial dry cleaner from the late 1980s to the mid 1990s. Prior uses that appear to have led to site contamination include poor housekeeping and spills associated with the dry cleaning operation. An adjacent property owner conducted a Phase I Environmental Site Assessment in September 2003, a Phase 2 Limited Subsurface Investigation in October 2003 and a Phase 2 Limited Groundwater Investigation in December 2003. The Department conducted a Site Characterization from August 2007 through March 2010. In October 2010, the Site was placed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site.Site Geology and Hydrogeology: Subsurface material consists of sand and some silt and urban fill. The depth to the groundwater varies from approximately 13 to 15 feet below the ground surface. On-site groundwater flow direction is relatively flat; the general flow direction appears to be towards the southwest.

Env Problem: Nature and Extent of Contamination: The primary contaminants of concern at the site are tetrachloroethene (PCE) and its degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE) and vinyl chloride (VC). Soil - During 2012 remedial investigation PCE, TCE and 1,2-DCE have been found in on-site soils at concentrations up to 83 parts per million (ppm), 0.22 ppm and 0.17 ppm respectively. The unrestricted use RSCOs for PCE has been exceeded. Groundwater - PCE, TCE, cis-1,2-DCE, trans-1,2-DCE and VC have been detected in on-site shallow groundwater at concentrations up to 11000 parts per billion (ppb), 1200 ppb, 21000 ppb, 130 ppb and 390 ppb respectively. Groundwater standards have been exceeded for PCE, TCE, cis-1,2-dichloroethene, trans-1,2-Dichloroethene, vinyl chloride and chloroform. Per April and June 2012 groundwater data, the groundwater plume has migrated approximately 400 feet off-site. Soil Vapor & Indoor Air: PCE and TCE were detected in on-site soil vapor at levels up to 280,000 microgram per cubic meter (g/m3) and 130,000 g/m3, respectively, and off-site at levels up to 13,000 g/m3 and 420 g/m3, respectively. Special Resources Impacted/Threatened: The site is located in the urban area and Fish and Wildlife Impact Analysis is not warranted. Significant Threat: The site poses a significant environmental threat because the area overlies a sole-source aquifer

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

	and because there is an ongoing release of PCE and TCE from soil into groundwater.
Health Problem:	Contact with contaminated soil is not expected since it is located at depth and covered by buildings, asphalt and concrete. Ingestion of contaminated groundwater is not likely since the area is served with public water. Site-related contaminants are present in soil vapor. Therefore, there is a potential for soil vapor intrusion to occur in on-site and off-site structures. Investigation of this potential pathway is recommended.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	5/6/2010 3:30:00 PM
Record Upd:	9/19/2013 3:00:00 PM
Updated By:	kbdilige
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library: Long Island City Branch
Owner Address:	37-44 21 Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Tong Yang
Owner Company:	Jung Sun Laundry Corp.
Owner Address:	37-10 24th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Not reported
Owner Company:	Feiyang Group, LLC
Owner Address:	82-19 Grenfell Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Kew Gardens, NY 11415
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	c/o Tony X.F. Yang
Owner Company:	Feiyang Group, LLC
Owner Address:	37-08 24th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01
Owner Name:	Gurpal Cheema
Owner Company:	New Generation Development LLC.

JUNG SUN LAUNDRY SITE (Continued) **S110246984**

Owner Address: 37-10 24th Street
Owner Addr2: Not reported
Owner City,St,Zip: Queens, NY 11101
Owner Country: United States of America
HW Code: 241102
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241102
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0711317
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 3/31/2009 11:06:00 AM
Record Updated: 3/31/2009 11:06:00 AM
Updated By: JAAVERSA

DRYCLEANERS:
Facility ID: 2-6304-00393
Phone Number: 718-937-0428
Region: Not reported
Registration Effective Date: N/A
Inspection Date: 04SEP21
Install Date: 88/99/04
Drop Shop: Y
Shutdown: Not reported
Alternate Solvent: WATER
Current Business: Not reported

239
North
1/2-1
0.834 mi.
4406 ft.

Relative:
Lower

Actual:
13 ft.

NATIONAL RUBBER & BACKING CORP
38-31 9TH ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000259753**
NY SHWS **NYD990690190**
NY LTANKS
NY HIST UST
NY HIST AST
NY MANIFEST
NY VCP
NY CBS

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NATIONAL RUBBER & BACKING CORP
Facility address: 38-31 9TH ST
LONG ISLAND CITY, NY 11101
EPA ID: NYD990690190
Mailing address: 9TH ST
LONG ISLAND CITY, NY 11101
Contact: MARC HALPERN
Contact address: 9TH ST
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (718) 784-7945
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NATIONAL RUBBER & BACKING CORP
Classification: Not a generator, verified

Date form received by agency: 08/22/1996
Facility name: NATIONAL RUBBER & BACKING CORP
Site name: NATIONAL RUBBER ADHESIVES INC
Classification: Large Quantity Generator

Date form received by agency: 02/21/1992
Facility name: NATIONAL RUBBER & BACKING CORP
Site name: NATIONAL RUBBER AND BACKING
Classification: Large Quantity Generator

Date form received by agency: 11/08/1985

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Facility name: NATIONAL RUBBER & BACKING CORP
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SHWS:
Program: HW
Site Code: 58713
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region: 2
Acres: 1.000
HW Code: 241028
Record Add: 11/18/1999
Record Upd: 03/27/2013
Updated By: JAQUINN
Site Description: LOCATION: The site is located in an urban/industrial section of Long Island City at the intersection of 9th Street between 38th Avenue and 40th Avenue. It is located on the east side of 9th Street, approximately 0.4 miles north of the Queensboro Bridge. SITE FEATURES: The property extends 335 feet from the north to the south and 117 feet from the west to the east. The entire property is occupied by a 30,000 square feet, one story, slab-on-grand masonry building. A small courtyard is located in the central portion of the building on the western side. The site and surrounding areas are generally level.CURRRENT ZONING/USE(S): The site is currently zoned commercial. The site is currently used as a marble fabrication shop, an automotive repair shop, and a production studio. Another tenant occupies the other one-third of the building for storage of sheet metal and supplies for an off-site manufacturing business. No metal fabrication, cutting, or manufacturing associated with this business takes place on this site. PAST USE OF SITE: National Rubber Adhesives, Inc. operated a manufacturing facility for adhesives until 1995 and operated at this location for 62 years. (National Rubber Adhesives, Inc. occupied the northern two-thirds of the building.) Five underground storage tanks (USTs) were closed in-place, including one toluene, two gasoline, one methyl ethyl ketone (MEK) and one heptane UST. OPERABLE UNIT(S): The site is being managed through two operable units (OU). OU1 is for off-site work and OU2 is for on-site work. Each OU will include investigating for soil and groundwater contamination. SITE GEOLOGY AND HYDROGEOLOGY: The site is approximately 15 to 20 feet above mean sea level. The nearest surface water body is the East River, approximately one quarter mile west of the site. Groundwater was observed approximately 5 to 10 feet below

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

	ground surface and flows in a westerly direction toward the East River. The depth to bedrock varies across the investigation area from 10 to 15 feet below surface.
Env Problem:	NATURE AND EXTENT OF CONTAMINATION:Based upon investigations to date, the primary contaminants of concern at the site include toluene. Toluene has been detected at levels as high as 280,000,000 parts per billion (ppb) in groundwater in MW-2, which is above the respective groundwater standard of 5 ppb. Other wells have shown levels of toluene in the 10,000s ppb. Benzene, ethylbenzene, and xylenes have all been shown to be elevated. These previous investigations have identified exceedances of standards, criteria and guidance for those contaminants in soil as well. Elevated levels of benzene and toluene were also noted in the soil vapor as well. The groundwater plume appears to be migrating off-site, however the extent of the plume is unknown. In 2011, the concentration of toluene was found as high as 130,000 ppb in an off-site location. Off-site impacts have been delineated and the extent of the toluene plume does not appear to impact the East River. SPECIAL RESOURCES IMPACTED/THREATENED : None known.SIGNIFICANT THREAT: A significant threat is posed from potential exposure to site related contaminants from soil vapor intrusion both on and off-site structures. Exposures to contaminated groundwater are not expected because public water serves the area residents.
Health Problem:	Elevated levels of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have been identified in soil and groundwater at this site. The area is paved and served by pubic water so exposures to contaminated soils and groundwater are unlikely. Due to the high levels of VOCs in on-site groundwater, there is the potential for exposures related to soil vapor intrusion in surrounding buildings. A soil vapor investigation is planned as part of the ongoing remedial investigation.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	unknown
Lat/Long:	40:45:30:0 / 73:56:39:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	National Rubber Adhesives, Inc.
Owner Address:	38-31 9th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11385
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	UNKNOWN
Owner Address:	25 KNICKERBOCKER AVE.
Owner Addr2:	Not reported

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Owner City,St,Zip: BROOKLYN, NY 11101
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: UNKNOWN3
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: National Rubber Adhesives, Inc.
Owner Address: 25 Knickerbocker Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11208
Owner Country: United States of America
HW Code: 241028
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: TOLUENE U-220 (F005 WASTE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 241028
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C241028
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 5/27/2008 11:08:00 AM
Record Updated: 5/27/2008 11:08:00 AM
Updated By: DMMOLOUG
Crossref ID: V00662
Cross Ref Type Code: 04
Cross Ref Type: VC Site ID
Record Added Date: 8/4/2003 1:42:00 PM
Record Updated: 8/4/2003 1:42:00 PM
Updated By: ajsylves
Crossref ID: NYD990690190
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

LTANKS:
Site ID: 127024
Spill Number/Closed Date: 9602231 / Not Reported
Spill Date: 3/1/1996

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	PECK
Referred To:	Not reported
Reported to Dept:	5/16/1996
CID:	266
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	5/16/1996
Spill Record Last Update:	5/11/2004
Spiller Name:	YALE BLOCK
Spiller Company:	NATIONAL RUBBER ADHESIVES
Spiller Address:	38-31 9TH STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller County:	001
Spiller Contact:	YALE BLOCK
Spiller Phone:	(718) 497-5200
Spiller Extention:	234
DEC Region:	2
DER Facility ID:	109736
DEC Memo:	Not reported
Remarks:	PHASE 1 AND PARTIAL PHASE 2 SITE ASSESSMENT PERFORMED AT SPILLER'S REQUEST. CALLER KNEW THAT THERE WERE UNDERGROUND STORAGE TANKS THAT HAD BEEN CLOSED IN PLACE. SOME OF THIS CONTAMINATION POSSIBLY DATE BACK 50 YEARS OR MORE. CALLER WILL CONTACT REGION 2 OFFICE FOR FURTHER INFORMATION.

Material:

Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352039
Material Code:	0042A
Material Name:	XYLENE (MIXED)
Case No.:	01330207
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352040
Material Code:	0230A
Material Name:	ETHYLBENZENE
Case No.:	00100414

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	127024
Operable Unit ID:	1033794
Operable Unit:	01
Material ID:	352038
Material Code:	0041B
Material Name:	TOLUOL
Case No.:	00108883
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST UST:

PBS Number:	2-145203
SPDES Number:	Not reported
Emergency Contact:	YALE
Emergency Telephone:	(201) 894-9112
Operator:	NATIONAL RUBBER ADH INC.
Operator Telephone:	(718) 784-7945
Owner Name:	NATIONAL RUBBER ADHESIVES,INC.
Owner Address:	38-31 9TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11104
Owner Telephone:	(718) 784-7945
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NATIONAL ADHESIVES, INC.
Mailing Address:	38-31 9TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	Not reported
Mailing Telephone:	(718) 784-7945
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	38031 9TH ST
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/01/1997

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Expiration Date:	11/24/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	2-000015
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-145203
SWIS Code:	6301
Operator:	NATIONAL RUBBER ADH INC.
Facility Phone:	(718) 784-7945
Facility Addr2:	38031 9TH ST
Facility Type:	MANUFACTURING
Emergency:	YALE
Emergency Tel:	(201) 894-9112
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NATIONAL RUBBER ADHESIVES,INC.
Owner Address:	38-31 9TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11104
Federal ID:	Not reported
Owner Tel:	(718) 784-7945
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NATIONAL ADHESIVES, INC.
Mailing Address:	38-31 9TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 784-7945
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/01/1997
Expiration:	11/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	2-000015
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Tank ID:	008
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYD990690190
Country:	USA
Mailing Name:	NATIONAL RUBBER & ADHESIVES INC
Mailing Contact:	NATIONAL RUBBER & ADHESIVES INC
Mailing Address:	38-31 NINTH STREET
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-784-7945

Document ID:	NJA0247263
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	870212
Trans1 Recv Date:	870212
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870212
Part A Recv Date:	870320
Part B Recv Date:	870305
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	X940 - NJ UNKNOWN

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Quantity: 09600
Units: P - Pounds
Number of Containers: 019
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NJA2137832
Manifest Status: Completed copy
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 961010
Trans1 Recv Date: 961010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 961010
Part A Recv Date: 961105
Part B Recv Date: 961031
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 06000
Units: P - Pounds
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NJA4094772
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 02/27/2002
Trans1 Recv Date: 02/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/27/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 06000
Units: P - Pounds

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Number of Containers: 015
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02400
Units: P - Pounds
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U044 - CHLOROFORM
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NJA1176296
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS632
Trans2 State ID: Not reported
Generator Ship Date: 911010
Trans1 Recv Date: 911010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 911010
Part A Recv Date: 911101
Part B Recv Date: 911106
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: U044 - CHLOROFORM
Quantity: 10000
Units: P - Pounds
Number of Containers: 070
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NJA0981404
Manifest Status: Completed copy
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 950526
Trans1 Recv Date: 950526
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950530
Part A Recv Date: 950606
Part B Recv Date: 950613
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00800
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 01200
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 03500
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 95

Document ID: NJA2768510
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPE632
Trans2 State ID: Not reported
Generator Ship Date: 970610
Trans1 Recv Date: 970610
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970612
Part A Recv Date: Not reported
Part B Recv Date: 970710
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity: 08400
Units: P - Pounds
Number of Containers: 014
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97

Document ID: NJA2783045
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 12/14/1998
Trans1 Recv Date: 12/14/1998
Trans2 Recv Date: Not reported

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

TSD Site Recv Date: 12/16/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 04400
Units: P - Pounds
Number of Containers: 011
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NJA2782909
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 04/21/1998
Trans1 Recv Date: 04/21/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/21/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD980536593
Trans2 EPA ID: Not reported
TSDF ID: NJDEP5016
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02800
Units: P - Pounds
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Document ID: NJA0981219
Manifest Status: Completed copy
Trans1 State ID: NJDEPS632
Trans2 State ID: Not reported
Generator Ship Date: 920619
Trans1 Recv Date: 920619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920619
Part A Recv Date: Not reported
Part B Recv Date: 920708
Generator EPA ID: NYD990690190
Trans1 EPA ID: NJD991291584
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity: 06750

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA0755037
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	920115
Trans1 Recv Date:	920115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920115
Part A Recv Date:	920127
Part B Recv Date:	920129
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	10500
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1883086
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	950314
Trans1 Recv Date:	950314
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950314
Part A Recv Date:	950321
Part B Recv Date:	950417
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01600
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	08400
Units:	P - Pounds
Number of Containers:	012

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA0165006
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	860203
Trans1 Recv Date:	860203
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860204
Part A Recv Date:	860303
Part B Recv Date:	860212
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	21000
Units:	P - Pounds
Number of Containers:	042
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

Document ID:	NJA0366527
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	870929
Trans1 Recv Date:	870929
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870929
Part A Recv Date:	871005
Part B Recv Date:	871014
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD080631369
Waste Code:	U044 - CHLOROFORM
Quantity:	15500
Units:	P - Pounds
Number of Containers:	031
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NJA0980837
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS632

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans2 State ID:	Not reported
Generator Ship Date:	901121
Trans1 Recv Date:	901121
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901121
Part A Recv Date:	901231
Part B Recv Date:	910102
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	10500
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NJA2176962
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	950929
Trans1 Recv Date:	950929
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951002
Part A Recv Date:	951010
Part B Recv Date:	951019
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	08400
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA1164168
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	910619

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Trans1 Recv Date:	910619
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910619
Part A Recv Date:	910629
Part B Recv Date:	910709
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	U044 - CHLOROFORM
Quantity:	07600
Units:	P - Pounds
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA0981124
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS632
Trans2 State ID:	Not reported
Generator Ship Date:	921110
Trans1 Recv Date:	921110
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921110
Part A Recv Date:	Not reported
Part B Recv Date:	921120
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D022 - CHLOROFORM 6.0 MG/L TCLP
Quantity:	14700
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	NJA0755345
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	940523
Trans1 Recv Date:	940523
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940523
Part A Recv Date:	940603
Part B Recv Date:	940607
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA1882894
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	941011
Trans1 Recv Date:	941011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941011
Part A Recv Date:	941019
Part B Recv Date:	941024
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01200
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA1882977
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE632
Trans2 State ID:	Not reported
Generator Ship Date:	941214
Trans1 Recv Date:	941214
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941214
Part A Recv Date:	941221
Part B Recv Date:	950103
Generator EPA ID:	NYD990690190
Trans1 EPA ID:	NJD991291584
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

NATIONAL RUBBER & BACKING CORP (Continued) **1000259753**

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

VCP:
Program Type: VCP
Site Code: 57620
HW Code: V00173
Site Class: N
SWIS: 4101
Region: 2
Town: New York City
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 02/01/2005
Updated By: RJCOZZY
Site Description: The property is located within an urban industrialized section of Long Island City. The site extends 335 feet from the north to the south and 117 feet from the west to the east. The entire site is occupied by a 30,000 square feet, one story building. There is a small courtyard in the central portion of the building, on its western side. The site is approximately 15 to 20 feet above mean sea level. The nearest surface water body is the East River, approximately one quarter mile west of the site.See Registry Site # 241028 and Brownfield Cleanup Program Site # C241028.
Env Problem: See Registry Site # 241028 and Brownfield Cleanup Program Site # C241028
Health Problem: Not reported

CBS:
CBS Number: 2-000015
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 589256.22733000
UTMY: 4512690.5957800

AS240 **RAVENSWOOD POWER STATION** **NY SHWS** **S102239646**
North **38-54 VERNON BOULEVARD** **NY LTANKS** **N/A**
1/2-1 **LONG ISLAND CITY, NY** **NY MOSF UST**
0.856 mi. **NY CBS AST**
4519 ft. **Site 1 of 2 in cluster AS** **NY MANIFEST**
NY Spills
Relative: **NY VCP**
Lower **NY SPDES**
NY MOSF
Actual: **NY CBS**
12 ft.

SHWS:
Program: HW
Site Code: 416958
Classification: P
Region: 2
Acres: Not reported
HW Code: 241119
Record Add: 07/23/2009

RAVENSWOOD POWER STATION (Continued) **S102239646**

Record Upd:	10/31/2013
Updated By:	GWCROSS
Site Description:	Location: The Ravenswood former MGP site is located at 38-54 Vernon Boulevard in the Long Island City section of the Borough of Queens. The property is noted as Tax Lot 1 in part of block 357 on the Tax Map of the City of New York, Queens CountyThe site is located within the boundary of a complex of active electric and steam generating facilities in a predominantly industrial and commercial area. The site is bordered on the east by light industrial and commercial buildings and on the west by the East River. The site formerly housed a Manufactured Gas Plant operated by Con Edison and its predecessor companies. The precise location of the MGP structures has not been fully established because of the extensive reworking of the property associated with construction of the power plants which now occupy and surround the original MGP site.Remedial History: A portion of the site was remediated under the Voluntary Cleanup Program. See site V000368. The principal VCP issue was the presence of a No. 6 oil spill from an in-plant pipeline. Petroleum-impacted soil was excavated in 2005. No MGP tar-contaminated soil was identified at that time, but MGP related structures or soil contamination may remain in other portions of the site or at depth.
Env Problem:	Extensive soil removal has taken place on the site, both for the construction of the power plants that occupy the site, and for remediation of a No. 6 oil spill. Although it appears that significant portions of the former MGP have been excavated down to bedrock, it is not known to what extent MGP structures and MGP soil contamination may remain in the deep subsurface.A bedrock steam tunnel lies beneath the East River at this location, allowing waste steam from the turbine plants to be provided to the steam-heat distribution system in Manhattan. Tar from the former MGP can be seen dripping from the roof of this tunnel, roughly 150 feet below ground surface. The source of the tar has not been determined. The tunnel can not be accessed by the public, and is only occasionally used by utility workers. Engineering controls are in place to prevent direct contact with the tar by utility workers.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	SE Ravenswood Trust
Owner Address:	37-20 37th Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101

RAVENSWOOD POWER STATION (Continued) **S102239646**

Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

LTANKS:

Site ID:	239188
Spill Number/Closed Date:	9613378 / 2/13/1997
Spill Date:	2/12/1997
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	2/12/1997
CID:	252
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/12/1997
Spill Record Last Update:	11/12/2003
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller County:	001
Spiller Contact:	STEVE ROMERO
Spiller Phone:	(212) 580-6763
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	244873
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Remarks:	UPON FILLING AIR COMPRESSOR DIESEL FUEL SPILLED ON TO PAVEMENTSPILL HAS BEEN CLEANED UP

Material:

Site ID:	239188
Operable Unit ID:	1040956
Operable Unit:	01
Material ID:	338486
Material Code:	0008

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 8
Units: Gallons
Recovered: 8
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 239166
Spill Number/Closed Date: 9601426 / 5/30/1996
Spill Date: 4/28/1996
Spill Cause: Tank Failure
Spill Source: Passenger Vehicle
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4101
Investigator: CAENGELH
Referred To: Not reported
Reported to Dept: 4/28/1996
CID: 312
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/28/1996
Spill Record Last Update: 6/27/1996
Spiller Name: Not reported
Spiller Company: CON EDISON
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: NEW YORK, NY 10003
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: (0) -
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 244873
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Remarks: hole in gas tank - cleaned up

Material:
Site ID: 239166
Operable Unit ID: 1029072
Operable Unit: 01
Material ID: 566843
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: 5
Resource Affected: Not reported
Oxygenate: False

Tank Test:

MOSF UST:
Id/Status: 2-1960 / ACTIVE FACILITY
SWIS Code: 63
Facility Town: NEW YORK CITY
Contact Phone: (718) 706-2707
Emerg Contact: SHIFT SUPERVISOR
Emergency Telephone: (718) 706-2753
CBS Number: 2-000063
SPDES Num: 0-005193
Total Tanks: 24
Total Capacity: 4337274
Avg Throughput: 149854
License Stat: 1
Facility Type: MANUFACTURING
Prod Xfer Options: AC
Expiration Date: 03/31/2003
Applic Rcvd: 01/05/2001
Operator: DOMINIC DI GIORGIO
Owner Name: KEYSPAN-RAVENSWOOD SERVICES CORPORATION
Owner Address: ONE METROTECH CENTER
Owner City,St,Zip: BROOKLYN, NY 11201-3851
Owner Telephone: (631) 391-6140
Owner Type: Corporate/Commercial
Owner Status: 1
Owner Mark: Second Owner
Mail To Name: KEYSPAN ENERGY
Mail To Address: 445 BROADHOLLOW ROAD
Mail To Address 2: Not reported
Mail City,St,Zip: MELVILLE, NY 11747-
Mail To Contact: ROBERT D. TEETZ
Mail To Telephone: (631) 391-6140
Legal Agent Name: OFFICE OF THE SECRETARY OF THE COMPANY
Legal Agent Address: ONE METROTECH CENTER
Legal Agent City,St,Zip: BROOKLYN, NY 11201-3851
Date Filed: 03/99

Tank ID: F06-1
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Install Date: 02/63
Capacity (Gal): 858022
Product: NOS 5 OR 6 FUEL OIL
Tank Status: Temporarily Out Of Service
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Aboveground/Underground Combination

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	10
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	F06-2
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Install Date:	02/63
Capacity (Gal):	842175
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	10
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

RAVENSWOOD POWER STATION (Continued) **S102239646**

Tank ID:	F06-3
Tank Location:	UNDERGROUND
Install Date:	12/48
Capacity (Gal):	741465
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	20
Second Contain:	50
Leak Detection:	None
Overfill Protection:	23
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Complete
Inspected Date:	08/05/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	RGSPIPELINE
Tank Location:	Not reported
Install Date:	00/00
Capacity (Gal):	362000
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Not reported
Second Contain:	None
Leak Detection:	Other
Overfill Protection:	Not reported
Dispenser:	Not reported
Test Date:	Not reported
Date Closed:	02/00
Latitude:	40|45|30
Longitude:	73|56|56
Status of Data:	Major Errors
Inspected Date:	08/05/1999

RAVENSWOOD POWER STATION (Continued) **S102239646**

Inspector Initials: AS
Inspector Status: Not reported
Pipe Flag: True
License Issued: 04/01/2001
Vessel Id: Not reported
Renew Flag: True
Renew Date: 11/27/2000
Federal Id No: Not reported
COI Date: / /

Tank ID: T04
Tank Location: UNDERGROUND
Install Date: 12/70
Capacity (Gal): 1000
Product: KEROSENE
Tank Status: Temporarily Out Of Service
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: None
Second Contain: 8
Leak Detection: None
Overfill Protection: Product Level Gauge
Dispenser: Suction
Test Date: /
Date Closed: Not reported
Latitude: 40|45|30
Longitude: 73|56|56
Status of Data: Complete
Inspected Date: 08/05/1999
Inspector Initials: AS
Inspector Status: Not reported
Pipe Flag: True
License Issued: 04/01/2001
Vessel Id: Not reported
Renew Flag: True
Renew Date: 11/27/2000
Federal Id No: Not reported
COI Date: / /

MOSF:
Facility ID: 2-1960
Program Type: MOSF
Tank Status: Active
Expiration Date: 2014/03/31
Dec Region: 2
UTMX: 589041.39688000
UTMY: 4512702.2995199

Facility ID: 2-1980
Program Type: MOSF
Tank Status: No Longer MOSF
Expiration Date: N/A

RAVENSWOOD POWER STATION (Continued) **S102239646**

Dec Region: 2
UTMX: 588348.02693000
UTMY: 4510881.1985099

CBS AST:
CBS Number: 2-000366
ICS Number: Not reported
PBS Number: Not reported
MOSF Number: 2-1960
SPDES Number: 0-005193
Facility Status: ACTIVE FACILITY
Facility Type: UTILITY
Telephone: (718) 706-2707
Facility Town: NEW YORK CITY
Region: STATE
Expiration Date: 03/28/2002
Total Capacity of All Active Tanks(gal): 6000
Operator: KEYSPAN-RAVENSWOOD SERVICES GR
Emergency Contact: SHIFT SUPERVISOR
Emergency Phone: (718) 706-2753
Owner Name: LIC FUNDING, LP
Owner Address: C/O MERRILL LYNCH SOUTH TOWER 14 FLOOR
Owner City,St,Zip: NEW YORK, NY 10080-4114
Owner Telephone: (212) 236-7203
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Mail Name: KEYSPAN ENERGY
Mail Contact Addr: 445 BROADHOLLOW ROAD
Mail Contact Addr2: Not reported
Mail Contact Contact: ROBERT D. TEETZ
Mail Contact City,St,Zip: MELVILLE, NY 11747
Mail Phone: (631) 391-6140

Tank Id: C-30
CAS Number: 1310732
Federal ID: Not reported
Tank Status: In Service
Install Date: 12/65
Tank Closed: 12/99
Capacity (Gal): 2000
Chemical: Sodium hydroxide
Tank Location: ABOVEGROUND
Tank Type: Steel/carbon steel
Total Tanks: 3
Tank Secret: False
Tank Containment: Diking
Tank Error Status: No Missing Data
Date Entered: 03/28/2000
Certified Date: 03/28/2000
Substance: Single Hazardous Substance on DEC List
Internal Protection: None
External Protection: Painted/Asphalt Coating
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: 1
Pipe Containment: None,None

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Flag:	None,None
Leak Detection:	None,None
Overfill Protection:	04
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 77|56|49
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	40|45|39 / 77|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 77|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 77|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 77|56|49

Tank Id:	A30
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	04/97
Capacity (Gal):	2000
Chemical:	Sulfuric acid
Tank Location:	ABOVEGROUND
Tank Type:	Steel/carbon steel
Total Tanks:	5
Tank Secret:	False
Tank Containment:	Diking
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	93
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95

RAVENSWOOD POWER STATION (Continued) **S102239646**

Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	EH30
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	12/99
Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	WH30
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/65
Tank Closed:	12/99

RAVENSWOOD POWER STATION (Continued) **S102239646**

Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Tank Id:	WH12
CAS Number:	7681529
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/62
Tank Closed:	12/99
Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Other
Total Tanks:	5
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/15/1989
Certified Date:	03/28/2000
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	Painted/Asphalt Coating

RAVENSWOOD POWER STATION (Continued) **S102239646**

Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	1
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	40|45|39 / 73|56|49
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/15/95
Owner Mark:	2
Certificate Needs to be Printed:	40|45|39 / 73|56|49
Fiscal Amt for Registration Fee Correct:	40|45|39 / 73|56|49
Renewal Has Been Printed for Facility:	40|45|39 / 73|56|49
Pre-Printed Renewal App Last Printed:	40|45|39 / 73|56|49

Click this hyperlink while viewing on your computer to access
9 additional NY_AST_CBS: record(s) in the EDR Site Report.

NY MANIFEST:

EPA ID:	NYR000072447
Country:	USA
Mailing Name:	KEYSPAN ENERGY RAVENSWOOD GENERATING STA
Mailing Contact:	E MILLER
Mailing Address:	38-54 VERNON BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11105
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-963-5407

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD080631369
Generator Ship Date: 2011-06-07
Trans1 Recv Date: 2011-06-07
Trans2 Recv Date: 2011-06-07
TSD Site Recv Date: 2011-06-07
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 5.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 000516461VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD080631369
Generator Ship Date: 2011-06-07
Trans1 Recv Date: 2011-06-07
Trans2 Recv Date: 2011-06-07
TSD Site Recv Date: 2011-06-07
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 300.0
Units: P - Pounds
Number of Containers: 2.0

RAVENSWOOD POWER STATION (Continued) **S102239646**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-05
Trans1 Recv Date:	2011-12-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000563392VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYP000072447
Country:	USA
Mailing Name:	KEYSPAN
Mailing Contact:	KEYSPAN
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

RAVENSWOOD POWER STATION (Continued) **S102239646**

Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds

RAVENSWOOD POWER STATION (Continued) **S102239646**

Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES

RAVENSWOOD POWER STATION (Continued) **S102239646**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 2011-12-05
Trans1 Recv Date: 2011-12-05
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2011-12-05
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 200.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 000563392VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 04-Jun-2013 00:00:00
Trans1 Recv Date: 04-Jun-2013 00:00:00
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07-Jun-2013 00:00:00
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000072447
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593

RAVENSWOOD POWER STATION (Continued) **S102239646**

Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYP004137816
Country:	USA
Mailing Name:	CONSOLDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD000692061
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-27
Trans1 Recv Date:	2012-03-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000531202VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-05
Trans1 Recv Date:	2012-09-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000679220VES
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-27
Trans1 Recv Date:	2012-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds

RAVENSWOOD POWER STATION (Continued) **S102239646**

Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000681669VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	2011-01-25
Trans1 Recv Date:	2011-01-25
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000214878VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES

RAVENSWOOD POWER STATION (Continued) **S102239646**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07

RAVENSWOOD POWER STATION (Continued) **S102239646**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593

RAVENSWOOD POWER STATION (Continued) **S102239646**

Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD080631369
Generator Ship Date:	2011-06-07
Trans1 Recv Date:	2011-06-07
Trans2 Recv Date:	2011-06-07
TSD Site Recv Date:	2011-06-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000516461VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RAVENSWOOD POWER STATION (Continued) **S102239646**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-05
Trans1 Recv Date:	2011-12-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000563392VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

RAVENSWOOD POWER STATION (Continued) **S102239646**

Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00

RAVENSWOOD POWER STATION (Continued) **S102239646**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04-Jun-2013 00:00:00
Trans1 Recv Date:	04-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000072447
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	000680222VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

RAVENSWOOD POWER STATION (Continued) **S102239646**

Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

SPILLS:
Facility ID: 0006765
DER Facility ID: 244873
Facility Type: ER
Site ID: 239118
DEC Region: 2
Spill Date: 9/7/2000
Spill Number/Closed Date: 0006765 / 1/16/2001
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 9/7/2000
CID: 322
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/7/2000
Spill Record Last Update: 1/16/2001
Spiller Name: UNKNOWN
Spiller Company: UNKNOWN
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN, NY
Spiller Company: 999
Contact Name: DOUG VOOS
Contact Phone: (516) 545-4007
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Inforamtion received from KeySpan indicates that samples similar to extremely weathered turbine lube oil. All PCB results <1 ppm. Soil drummed.
Remarks: stain of unknown origin on the bluestone - samples taken and clean up pending lab results -

Material:
Site ID: 239118
Operable Unit ID: 827696
Operable Unit: 01
Material ID: 547873

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1305911
DER Facility ID:	343924
Facility Type:	ER
Site ID:	486497
DEC Region:	2
Spill Date:	9/5/2013
Spill Number/Closed Date:	1305911 / 9/6/2013
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	9/5/2013
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/5/2013
Spill Record Last Update:	9/6/2013
Spiller Name:	Not reported
Spiller Company:	TRANS CANADA POWER PLANT
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	PAUL SERVA
Contact Phone:	Not reported
DEC Memo:	during lube change, 40 gal spilled to lower level .Some entered drain. Kens marine en route to boom and determine if any entered river. Spill being cleaned inside on concrete. Spill cleaned, closed. No recovery made in river.
Remarks:	clean up underway/kens marine en route eta 0720 for boom deployment on east river outfall (discharge tunnel)Approx. 1/2 gal. has entered discharge tunnel

Material:

Site ID:	486497

RAVENSWOOD POWER STATION (Continued) **S102239646**

Operable Unit ID:	1236146
Operable Unit:	01
Material ID:	2235488
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9806863
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239229
DEC Region:	2
Spill Date:	9/4/1998
Spill Number/Closed Date:	9806863 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	HEHUSSEI
Referred To:	CON ED DIVESTED
Reported to Dept:	9/4/1998
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	9/4/1998
Spill Record Last Update:	7/22/2013
Spiller Name:	KEN YAEGER
Spiller Company:	TRANSCANADA POWER
Spiller Address:	38-54 VERNON BLVD
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101
Spiller Company:	001
Contact Name:	HAHN
Contact Phone:	(718) 706-2753
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Site investigation being conducted as part of divestiture process. Work plan submitted to DEC on 9/17/98.6/16/10 - changed DEC lead from Krimgold to JMOCONNE (JOC)4/14/11 - J.kann - DEC lead changed to J.Kann.07/22/13 - Re-assigned from Kann to Hussein (JOC)
Remarks:	SOIL BORINGS SHOW OIL CONTAMINATION AROUND 12 TO 14 FEET DOWN - THIS IS BY THE STEAM PLANT ON THE COMPLEX

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material:

Site ID:	239229
Operable Unit ID:	1064470
Operable Unit:	01
Material ID:	318001
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9806885
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239230
DEC Region:	2
Spill Date:	9/3/1998
Spill Number/Closed Date:	9806885 / 9/18/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	9/4/1998
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/4/1998
Spill Record Last Update:	9/18/1998
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"9/4/98: update - gauge repalced, oil cleaned up.
Remarks:	retired fuel line became charged with steam the gauge on linebroke releasing the fuel - fuel leaked into a containment areacaller unsure on if clean up was done or not

RAVENSWOOD POWER STATION (Continued) **S102239646**

Material:

Site ID:	239230
Operable Unit ID:	1064486
Operable Unit:	01
Material ID:	318020
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	17
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9608086
DER Facility ID:	244873
Facility Type:	ER
Site ID:	239175
DEC Region:	2
Spill Date:	9/28/1996
Spill Number/Closed Date:	9608086 / 10/2/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	9/28/1996
CID:	275
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/28/1996
Spill Record Last Update:	10/17/1996
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	TIM SOLICH
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
Remarks:	spilled from truck - all cleaned

Material:

Site ID:	239175

RAVENSWOOD POWER STATION (Continued) **S102239646**

Operable Unit ID:	1036344
Operable Unit:	01
Material ID:	343830
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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

VCP:

Program Type:	VCP
Site Code:	56967
HW Code:	V00368
Site Class:	C
SWIS:	4101
Region:	2
Town:	New York City
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	04/05/2007
Updated By:	dcwalsh
Site Description:	The proposed Ravenswood 250-Megawatt (MW) Combined Cycle Generating Station site is located at 38-54 Vernon Boulevard in the Long Island City section of the Borough and County of Queens, New York and denoted as Tax Lot 1 in part of block 357 on the Tax Map of the City of New York, Queens County. The site is located within the boundary of an active electric and steam generating facility in a predominantly industrial and commercial area. The area addressed by this Voluntary Cleanup Agreement is the footprint of a proposed 250-MW combined cycle electric generating plant. The site is bordered on the east by light industrial and commercial buildings; on the south by the existing Ravenswood Generating Station; on the north by the existing Ravenswood Gas Turbine facility; and on the west by the existing Ravenswood Steam Plant and the East River. The site was formerly a Manufactured Gas Plant operated by Con Edison and its predecessor companies. The site is currently occupied by a paved parking lot for Ravenswood employees. Site investigation has been completed at the site.
Env Problem:	The Site investigation conducted at the site revealed the presence of petroleum contamination related to a release from an on-site no. 6 oil pipeline. In addition, the site is underlain by former MGP facilities, including gas holders, piping and drip pots. Investigation has not revealed any areas of discrete coal tar deposits, however, the volunteer has proposed to open all encountered pipes and drip pots, drain them and permanently closed them in place or remove them if they interfere with future construction activities.

RAVENSWOOD POWER STATION (Continued) **S102239646**

The area of petroleum contamination will be excavated and removed. The volunteer submitted and the Department approved a Remedial Action Work Plan for the site which consisted of the above remedies. This RAWP has been implemented, and the volunteer has submitted the Remedial Action Summary Report, which is under review by NYSDEC and NYSDOH.

Health Problem: Human exposures to contaminated soil and groundwater are unlikely. Most of the contaminated soil has been removed, the site is fenced and secured, and the site will be covered with buildings and pavement. Exposure to groundwater is unlikely since the area is served by a public water supply.

SPDES:

Permit Number:	NY0005193
State-Region:	02
Expiration Date:	10/31/2017
Current Major Minor Status:	Major
Primary Facility SIC Code:	4911
State Water Body Name:	EAST R
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	999.900000
Total App Design Flow(MGD):	Not reported
UDF1:	DMR
Lat/Long:	40.759667 / -73.946056
DMR Cognizant Official:	KEN YAGER
UDF2:	001702
UDF3:	I
FIPS County Code:	NY081

Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Permit Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Permit Supplemental Location:	38-54 VERNON BLVD
Non-Gov Permit City:	LONG ISLAND CITY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	11101
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Facility Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location:	38-54 VERNON BLVD
Non-Gov Facility City:	LONG ISLAND CITY
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	11101
State Water Body:	02030201020

UDF2:	001702
UDF3:	I
FIPS County Code:	NY081

Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	TC RAVENSWOOD, LLC
Non-Gov Permit Street Address:	RAVENSWOOD GENERATING STATION
Non-Gov Permit Supplemental Location:	38-54 VERNON BLVD
Non-Gov Permit City:	LONG ISLAND CITY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	11101

RAVENSWOOD POWER STATION (Continued) **S102239646**

Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 110 TURNPIKE RD, SUITE 203
Non-Gov Facility City: WESTBOROUGH
Non-Gov Facility State Code: MA
Non-Gov Facility Zip Code: 01581
State Water Body: 02030201020

UDF2: 001702
UDF3: I
FIPS County Code: NY081

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Permit Street Address: 110 TURNPIKE RD, SUITE 203
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: WESTBOROUGH
Non-Gov Permit State Code: MA
Non-Gov Permit Zip Code: 01581
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 38-54 VERNON BLVD
Non-Gov Facility City: LONG ISLAND CITY
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 11101
State Water Body: 02030201020

UDF2: 001702
UDF3: I
FIPS County Code: NY081

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Permit Street Address: 110 TURNPIKE RD, SUITE 203
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: WESTBOROUGH
Non-Gov Permit State Code: MA
Non-Gov Permit Zip Code: 01581
Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: TC RAVENSWOOD, LLC
Non-Gov Facility Street Address: RAVENSWOOD GENERATING STATION
Non-Gov Facility Supplemental Location: 110 TURNPIKE RD, SUITE 203
Non-Gov Facility City: WESTBOROUGH
Non-Gov Facility State Code: MA
Non-Gov Facility Zip Code: 01581
State Water Body: 02030201020

MOSF:
Facility ID: 2-1960
Program Type: MOSF
Tank Status: Active
Expiration Date: 2014/03/31
Dec Region: 2
UTMX: 589041.39688000
UTMY: 4512702.2995199

RAVENSWOOD POWER STATION (Continued) **S102239646**

Facility ID: 2-1980
Program Type: MOSF
Tank Status: No Longer MOSF
Expiration Date: N/A
Dec Region: 2
UTMX: 588348.02693000
UTMY: 4510881.1985099

CBS:
CBS Number: 2-000063
Program Type: CBS
Facility Status: Active
Expiration Date: 2014/06/28
Dec Region: 2
UTMX: 588961
UTMY: 4512613

CBS Number: 2-000366
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 588938.75384000
UTMY: 4512559.8492299

AS241 **CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE** **CORRACTS** **1000111639**
North **3854 VERNON BLVD NW CORNER** **RCRA-LQG** **NYD003917960**
1/2-1 **LONG ISLAND CITY, NY 11101** **NY MANIFEST**
0.857 mi. **NJ MANIFEST**
4523 ft. **Site 2 of 2 in cluster AS**

Relative:
Lower

Actual:
12 ft.

CORRACTS:

EPA ID: NYD003917960
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19941201
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD003917960
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19941201
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-LQG:
Date form received by agency: 03/12/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Facility address: 3854 VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

EPA ID: NYD003917960
Mailing address: VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101
Contact: WARREN MILLER
Contact address: VERNON BLVD NW CORNER
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: (978) 578-9757
Contact email: MILLERW@CONED.COM
EPA Region: 02
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/02/1957
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/02/1957
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/11/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Classification: Large Quantity Generator

Date form received by agency: 03/11/2007
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Classification: Large Quantity Generator

Date form received by agency: 02/21/2006
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 05/31/2002
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISION - RAVENSWOOD SITE
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: RAVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/26/1998
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON ED - REVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON-RAVENSWOOD GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 03/15/1993
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON ED - RAVENSWOOD STATION
Classification: Large Quantity Generator

Date form received by agency: 09/23/1991
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CONSOLIDATED EDISON COMPANY OF NEW YORK
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE
Site name: CON EDISON - RAVENSWOOD GENERATING STA
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: B002
Waste name: B002

Waste code: B007
Waste name: B007

Corrective Action Summary:
Event date: 12/01/1994
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 12/01/1994
Event: RFA Completed

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/30/1994
Date achieved compliance: 10/23/1997
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/29/1993
Date achieved compliance: 11/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/08/1991
Date achieved compliance: 10/15/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/31/1990
Date achieved compliance: 05/17/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/14/1988
Date achieved compliance: 06/21/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Area of violation: LDR - General
Date violation determined: 03/14/1988
Date achieved compliance: 06/21/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/18/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/1997
Evaluation lead agency: State

Evaluation date: 08/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/08/1993
Evaluation lead agency: State

Evaluation date: 03/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/15/1991
Evaluation lead agency: State

Evaluation date: 01/31/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/17/1990
Evaluation lead agency: State

Evaluation date: 03/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/21/1988
Evaluation lead agency: State

Evaluation date: 03/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/21/1988
Evaluation lead agency: State

Evaluation date: 04/22/1987

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYD003917960
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYA1249506
Manifest Status: Completed copy
Trans1 State ID: 2A-100
Trans2 State ID: Not reported
Generator Ship Date: 841029
Trans1 Recv Date: 841029
Trans2 Recv Date: Not reported
TSD Site Recv Date: 841029
Part A Recv Date: 841108
Part B Recv Date: 841116
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD066969700
Trans2 EPA ID: Not reported
TSDF ID: NYT370010878
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00200
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO2703429
Manifest Status: Completed copy
Trans1 State ID: IL-001
Trans2 State ID: Not reported
Generator Ship Date: 840814
Trans1 Recv Date: 840814
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840815

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Part A Recv Date:	840817
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	38240
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2703438
Manifest Status:	Completed copy
Trans1 State ID:	IL-001
Trans2 State ID:	Not reported
Generator Ship Date:	840815
Trans1 Recv Date:	840815
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840816
Part A Recv Date:	840820
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	36640
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2703501
Manifest Status:	Completed copy
Trans1 State ID:	IL-001
Trans2 State ID:	Not reported
Generator Ship Date:	840820
Trans1 Recv Date:	840820
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	000000
Part A Recv Date:	840823
Part B Recv Date:	840828
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD069506160
Trans2 EPA ID:	Not reported
TSDF ID:	ILD000672121
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	31140
Units:	P - Pounds

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO2703519
Manifest Status: Completed copy
Trans1 State ID: IL-001
Trans2 State ID: Not reported
Generator Ship Date: 840820
Trans1 Recv Date: 840820
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840821
Part A Recv Date: 840823
Part B Recv Date: 840828
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD069506160
Trans2 EPA ID: Not reported
TSDF ID: ILD000672121
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity: 30240
Units: P - Pounds
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NYO3089151
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 840619
Trans1 Recv Date: 840619
Trans2 Recv Date: Not reported
TSD Site Recv Date: 840620
Part A Recv Date: 840626
Part B Recv Date: 840625
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NY7890008975
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00500
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 84

Document ID: NYA2458026
Manifest Status: Completed copy

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 State ID: 2A-100
Trans2 State ID: Not reported
Generator Ship Date: 850606
Trans1 Recv Date: 850606
Trans2 Recv Date: Not reported
TSD Site Recv Date: 850606
Part A Recv Date: 850614
Part B Recv Date: 850614
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD066969700
Trans2 EPA ID: Not reported
TSDF ID: NYT370010878
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 03970
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 85

Document ID: NYA3408355
Manifest Status: Completed copy
Trans1 State ID: BARGE
Trans2 State ID: Not reported
Generator Ship Date: 860428
Trans1 Recv Date: 860428
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860428
Part A Recv Date: 860501
Part B Recv Date: 860507
Generator EPA ID: NYD003917960
Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 03322
Units: T - Tons
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 86

Document ID: NYA3820342
Manifest Status: Completed copy
Trans1 State ID: BARGE
Trans2 State ID: Not reported
Generator Ship Date: 870430
Trans1 Recv Date: 870430
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870506
Part A Recv Date: 870505
Part B Recv Date: 870521
Generator EPA ID: NYD003917960

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00016
Units: T - Tons
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NYA3820432
Manifest Status: Completed copy
Trans1 State ID: 22174GU
Trans2 State ID: Not reported
Generator Ship Date: 870420
Trans1 Recv Date: 870420
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870420
Part A Recv Date: 870427
Part B Recv Date: 870429
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5616297
Manifest Status: Completed copy
Trans1 State ID: 22174GW
Trans2 State ID: Not reported
Generator Ship Date: 870810
Trans1 Recv Date: 870810
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870810
Part A Recv Date: 870817
Part B Recv Date: 870818
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Specific Gravity: 100
Year: 87

Document ID: NYA6465546
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 870205
Trans1 Recv Date: 870205
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870205
Part A Recv Date: 870331
Part B Recv Date: 870219
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5616288
Manifest Status: Completed copy
Trans1 State ID: 22174GU
Trans2 State ID: Not reported
Generator Ship Date: 870908
Trans1 Recv Date: 870908
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870908
Part A Recv Date: 870923
Part B Recv Date: 870915
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 87

Document ID: NYA5559894
Manifest Status: Completed copy
Trans1 State ID: 22174GV
Trans2 State ID: Not reported
Generator Ship Date: 880128

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Trans1 Recv Date: 880128
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880128
Part A Recv Date: 880208
Part B Recv Date: 880203
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 88

Document ID: NYA3820410
Manifest Status: Completed copy
Trans1 State ID: XG977C(NJ
Trans2 State ID: Not reported
Generator Ship Date: 880831
Trans1 Recv Date: 880831
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880831
Part A Recv Date: 880913
Part B Recv Date: 880909
Generator EPA ID: NYD003917960
Trans1 EPA ID: NJD000603563
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 01000
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88

Document ID: NYA9648404
Manifest Status: Completed copy
Trans1 State ID: AP6277NY
Trans2 State ID: Not reported
Generator Ship Date: 891016
Trans1 Recv Date: 891016
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891016
Part A Recv Date: 891020
Part B Recv Date: 891020
Generator EPA ID: NYD003917960
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYC0021453
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891229
Trans1 Recv Date:	891229
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891229
Part A Recv Date:	900109
Part B Recv Date:	900105
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9798772
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891206
Trans1 Recv Date:	891206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891206
Part A Recv Date:	891213
Part B Recv Date:	891218
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Document ID:	NYC0121779
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900220
Trans1 Recv Date:	900220
Trans2 Recv Date:	900220
TSD Site Recv Date:	900220
Part A Recv Date:	900312
Part B Recv Date:	900306
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYC0270922
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	7636
Generator Ship Date:	900518
Trans1 Recv Date:	900518
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900518
Part A Recv Date:	900709
Part B Recv Date:	900716
Generator EPA ID:	NYD003917960
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00258
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Click this hyperlink while viewing on your computer to access
625 additional NY_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

Manifest Code:	NJA5009586
EPA ID:	NYD003917960
Date Shipped:	05/12/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/12/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/20/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06220522
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212626
EPA ID:	NYD003917960
Date Shipped:	07/12/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/12/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/12/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08250521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212628
EPA ID:	NYD003917960
Date Shipped:	07/13/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/13/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212627
EPA ID:	NYD003917960
Date Shipped:	07/14/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/14/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212778
EPA ID:	NYD003917960
Date Shipped:	07/14/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/14/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212623
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212625
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212777
EPA ID:	NYD003917960
Date Shipped:	07/15/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD063147797
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans1 Transported Waste:	07/15/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/15/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08240521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5212624
EPA ID:	NYD003917960
Date Shipped:	07/18/2005
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/18/2005

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/20/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08290521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5067385
EPA ID:	NYD003917960
Date Shipped:	11/04/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/04/2004
Date Trans2 Transported Waste:	Not reported

CON EDISON - RAVENSWOOD TUNNEL HEADHOUSE (Continued) **1000111639**

Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/04/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12280421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

AT242 **STANDARD MOTOR PRODUCTS INC** **RCRA-SQG** **1000310304**
ENE **37-18 NORTHERN BLVD SITE 1** **NY SHWS** **NYD001315266**
1/2-1 **LONG ISLAND CITY, NY 11101** **NY LTANKS**
0.898 mi. **NY MANIFEST**
4741 ft. **Site 1 of 2 in cluster AT** **PA MANIFEST**
NY Spills
Relative: **NY VCP**
Higher **NY CBS**

Actual: **24 ft.**

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	STANDARD MOTOR PRODUCTS INC
Facility address:	37-18 NORTHERN BLVD SITE 1 LONG ISLAND CITY, NY 11101
EPA ID:	NYD001315266
Mailing address:	NORTHERN BLVD LONG ISLAND CITY, NY 11101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Contact:	MURRAY ROSE
Contact address:	NORTHERN BLVD LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 392-0200
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STANDARD MOTOR PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	STANDARD MOTOR PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	STANDARD MOTOR PRODUCTS INC

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Classification: Small Quantity Generator

Date form received by agency: 03/30/1998
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 03/19/1996
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1994
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/06/1992
Facility name: STANDARD MOTOR PRODUCTS INC
Site name: STANDARD MOTOR PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: STANDARD MOTOR PRODUCTS INC
Site name: STANDARD MOTOR PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 07/12/1984
Facility name: STANDARD MOTOR PRODUCTS INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/06/2007
Date achieved compliance: 06/30/2008
Violation lead agency: EPA
Enforcement action: VERBAL INFORMAL
Enforcement action date: 04/12/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6nycrr372.2(a)(8)
Area of violation: Generators - General
Date violation determined: 05/14/1999
Date achieved compliance: 05/28/1999
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/13/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/26/1988
Date achieved compliance: 12/23/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/27/1987
Date achieved compliance: 12/28/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/30/2008
Evaluation lead agency: EPA

Evaluation date: 08/19/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/28/1999
Evaluation lead agency: EPA

Evaluation date: 10/16/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 09/26/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/23/1988
Evaluation lead agency: State

Evaluation date: 01/27/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/28/1988
Evaluation lead agency: State

SHWS:
Program: HW
Site Code: 58682
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region: 2
Acres: 1.100
HW Code: 241016
Record Add: 11/18/1999
Record Upd: 05/28/2013
Updated By: JHOCONNE
Site Description: Location:The site is located at 37-18 Northern Boulevard, Long Island City, Queens County, New York in the northwestern section of the county. Bordering the Site is Northern Boulevard to the north; Amtraks Sunnyside Railroad Yard (Sunnyside Yard) to the south; 39th Street, an automobile dealership, and a Hess (formerly Merit) gasoline station to the east; and commercial and industrial properties to the west. Site Features:The Site is approximately rectangular in shape and occupies approximately one acre of land. The Site contains a six-story industrial building with approximately 42,000 square feet per floor. A narrow strip of land on the south side of the property contains a loading dock and a dirt access path for vehicles. This strip of land is owned by the Metropolitan Transportation Authority (MTA) and is part of a long-term lease to

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Standard Motor Products. Current Zoning/Use(s):The site is being used for commercial office space. There is a commercial vegetable farm occupying part of the buildings roof. Historical Use(s): The Site has historically been involved in industrial and manufacturing activities since 1919. A small plating line for chrome plating of small machine parts operated from approximately 1975 to 1984. The site was previously used for painting automobile parts prior to distribution. In 1984, aqueous based paints replaced the previously used solvent-based paints. All painting operations were gradually eliminated between 1990 and 1991. The site also housed several other processes and included die-casting operations that ceased in the 1970s; rubber production that was eliminated around 1985; and degreasing which utilized chlorinated solvents that ended in 1990.Until March 2008, automobile parts and components at the site were primarily manufactured in the basement within recent years. The manufacturing operations included metal fabrication and machining, plastic injection molding, and assembly. A small photography laboratory for production of newsletters, brochures also operated. Hazardous or toxic materials involved in plant operations are lubricating oils for machinery, caustics for degreasing, phenolics used in molding processes, epoxies for coil production, and water-based inks involved in their small-scale printing. All wastes were temporarily stored on-site in secure containers prior to off-site disposal at a licensed treatment, storage, and disposal (TSD) facility.The Record of Decision was issued on March 23, 2009, and the Remedial Design/Remedial Action Order on Consent was signed in April 2010.Site Geology and Hydrogeology:The Site is underlain by the following units (in order by increasing depth): urban fill, Upper Pleistocene glacial deposits (including both till and channel deposits), and bedrock. The fill is predominantly comprised of reworked glacial deposits (sand, silt, clay, and gravel) and railroad ballast with minor amounts of construction debris and other materials. The Upper Pleistocene glacial deposits consist mainly of ground moraine deposits (unstratified, poorly sorted mixture of sand, silt, clay, and gravel). Bedrock was encountered at a depth of 74 feet below land surface (i.e. 53 feet below mean sea level).The groundwater beneath the Site occurs under water table (unconfined) conditions. The depth to groundwater in the vicinity of the Site is approximately 5 feet below ground surface (bgs) but may be influenced by surface runoff that results in standing water across most of the Site during rain events. The water table occurs in either fill or glacial deposits. Groundwater elevation data show that flow is primarily from east to west beneath the Site. Due to the proximity to the East River, the hydraulic gradients are gentle which is consistent with the regional groundwater contour map and the groundwater contours present on the adjacent Sunnyside Yard property. Vertical groundwater movement is restricted by the Gardiners Clay where present or by the Precambrian bedrock which is considered to be the bottom hydrogeologic boundary of the groundwater flow system. The groundwater flow rate was estimated to be 0.78 feet/day.

Env Problem: Nature and Extent of Contamination: A site investigation in 1990 was initiated after an oily sheen was observed in a puddled area on the southeast side of the property. Soil samples from this area revealed elevated levels of petroleum hydrocarbons and volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane. Approximately 2,700 sq. ft. of soil was excavated to a depth of 18 inches and stockpiled on-site. Further investigation determined that soils in

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the area of the rear loading platform contained elevated levels of petroleum hydrocarbons and VOCs (trichloroethane TCA, triclhoroethene - TCE and other related chlorinated VOCs). Contaminated soils extended beyond the area excavated. Subsequent groundwater samples taken indicated contamination with TCA and lead. The highest levels of groundwater contamination are adjacent to the loading dock at the back of the building. Soil - Arsenic was detected at 19 ppm, which is above the applicable soil cleanup objectives (SCOs). Groundwater - Tetrachloroethylene (PCE) has been found at concentrations of up to 17 ppb. Trichloroethylene (TCE) has been found at concentrations of up to 78 ppb. Cis-1,2-Dichloroethene (cis-1,2-DCE) has been found at concentrations of up to 93 ppb. Vinyl chloride (VC) has been found at concentrations of up to 31 ppb. 1,1,1-Trichloroethane 1,1,1-TCA) has been found at concentrations of up to 180 ppb.Soil Vapor- The highest concentrations of chlorinated VOCs were detected at SB-05. Sub-slab samples contained PCE at concentration of up to 620 ug/m3. TCE and cis-1,2-DCE have been found at concentrations of up to 2,800 ug/m3 and up to 52 ug/m3 respectively. Chlorinated ethanes were found and included 1,1,1-TCA and 1,1-DCA at concentrations up to 5,200 ug/m3 and up to 450 ug/m3 respectively.Significant Threat: The site presents a significant environmental threat. An Interim Remedial Measure (IRM) consisting of a sub-slab depressurization system (SSDS) has been installed in the building and is currently in operation.

Health Problem: The on-site structure will have an active sub-slab depressurization system which will prevent contamination from entering the building via soil vapor intrusion. A air sparge/soil vapor extraction system will address contaminants present in the groundwater. Exposure to site-related contaminants in drinking water are not expected because public water serves the area.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False
Disp Start: unknown
Disp Term: unknown
Lat/Long: 40:45:07:0 / 73:55:31:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 2/29/2008 11:07:00 AM
Updated By: SMMARTIN
Own Op: Document Repository
Sub Type: NNN
Owner Name: Roz Rubinstein
Owner Company: Queens Public Library Broadway Branch
Owner Address: 40-20 Broadway
Owner Addr2: Not reported
Owner City,St,Zip: Long Island City, NY 11103
Owner Country: United States of America
Own Op: Owner
Sub Type: E
Owner Name: Gordon Johnson
Owner Company: Metropolitan Transporation Auth.
Owner Address: 347 Madion Aeve.
Owner Addr2: 9th Floor
Owner City,St,Zip: New York, NY 10017
Owner Country: United States of America

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Own Op:	Owner
Sub Type:	E
Owner Name:	Jeff Rosenblum, Acumen Capital Partners, LLC
Owner Company:	37-18 Northern Blvd., LLC
Owner Address:	37-18 Northern Boulevard
Owner Addr2:	Suite 300
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	241016
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	VINYL CHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	1,1-DICHLOROETHANE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	METHYL-TERT-BUTYL ETHER (MTBE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	241016
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2-477869
Cross Ref Type Code:	18
Cross Ref Type:	PBS No.
Record Added Date:	1/4/2007 3:05:00 PM
Record Updated:	1/4/2007 3:05:00 PM
Updated By:	SMMARTIN
Crossref ID:	NYD001315266
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	11/18/1999 12:00:00 PM
Record Updated:	5/10/2001 4:31:00 PM
Updated By:	REGTRANS

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

LTANKS:

Site ID:	153383
Spill Number/Closed Date:	9509528 / 3/23/2004
Spill Date:	11/1/1995
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	11/1/1995
CID:	357
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/1/1995
Spill Record Last Update:	3/23/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	AVIS REDMAN
Spiller Phone:	(718) 392-0200
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	130150
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"02/18/04: Reassigned from KRIMGOLD to Martinkat.
Remarks:	OIL IN TANK ROOM

Material:

Site ID:	153383
Operable Unit ID:	1020065
Operable Unit:	01
Material ID:	360474
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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NY MANIFEST:

EPA ID:	NYD001315266
Country:	USA
Mailing Name:	STANDARD MOTOR PRODUCTS
Mailing Contact:	STANDARD MOTOR PRODUCTS
Mailing Address:	37-18 NORTHERN BLVD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-0200

Document ID:	NYA3088372
Manifest Status:	Completed copy
Trans1 State ID:	18946GL
Trans2 State ID:	Not reported
Generator Ship Date:	860415
Trans1 Recv Date:	860415
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860415
Part A Recv Date:	860423
Part B Recv Date:	860421
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00770
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	86

Document ID:	NYA3823266
Manifest Status:	Completed copy
Trans1 State ID:	18946-GL/
Trans2 State ID:	Not reported
Generator Ship Date:	870120
Trans1 Recv Date:	870120
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870120
Part A Recv Date:	870130
Part B Recv Date:	870130
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F001 - UNKNOWN
Quantity:	01100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 100
Year: 87

Document ID: NYA6352317
Manifest Status: Completed copy
Trans1 State ID: 97763GT
Trans2 State ID: Not reported
Generator Ship Date: 880317
Trans1 Recv Date: 880317
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880317
Part A Recv Date: 880329
Part B Recv Date: 880321
Generator EPA ID: NYD001315266
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: F001 - UNKNOWN
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00600
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 88

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYA6352065
Manifest Status:	Completed copy
Trans1 State ID:	97763GT
Trans2 State ID:	Not reported
Generator Ship Date:	880224
Trans1 Recv Date:	880224
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880224
Part A Recv Date:	880229
Part B Recv Date:	880308
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00011
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA7756155
Manifest Status:	Completed copy
Trans1 State ID:	NL6934
Trans2 State ID:	Not reported
Generator Ship Date:	891003
Trans1 Recv Date:	891003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891003
Part A Recv Date:	891012
Part B Recv Date:	891013
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 01320
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 024
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 89

Document ID: NYB2205090
Manifest Status: Completed copy
Trans1 State ID: MM5929
Trans2 State ID: Not reported
Generator Ship Date: 891219
Trans1 Recv Date: 891219
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891219
Part A Recv Date: 891228
Part B Recv Date: 891229
Generator EPA ID: NYD001315266
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D007 - CHROMIUM 5.0 MG/L TCLP
Quantity: 00880
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 016
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89

Document ID: NYC0303658
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900605
Trans1 Recv Date: 900605
Trans2 Recv Date: Not reported
TSD Site Recv Date: 900605
Part A Recv Date: 900730
Part B Recv Date: 900611
Generator EPA ID: NYD001315266
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYC0044133
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900202
Trans1 Recv Date:	900202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900202
Part A Recv Date:	900214
Part B Recv Date:	900214
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYB2460393
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC0686362
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	910122
Trans1 Recv Date:	910122
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910122
Part A Recv Date:	910211
Part B Recv Date:	910204
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC1168479
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	910826
Trans1 Recv Date:	910826
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910826
Part A Recv Date:	910906
Part B Recv Date:	910910
Generator EPA ID:	NYD001315266

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB2460375
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01815
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	033
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYB2460411
Manifest Status:	Completed copy
Trans1 State ID:	23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910130
Part A Recv Date:	910206
Part B Recv Date:	910219
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1015502
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	NJDEPS103
Generator Ship Date:	910129
Trans1 Recv Date:	910129
Trans2 Recv Date:	910131
TSD Site Recv Date:	910131
Part A Recv Date:	910206
Part B Recv Date:	910220
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Trans2 EPA ID:	NYD000691949
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB2222928
Manifest Status:	Completed copy
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910604
Trans1 Recv Date:	910604
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910604
Part A Recv Date:	910614
Part B Recv Date:	910620
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Document ID:	NYC1059693
Manifest Status:	Completed copy
Trans1 State ID:	7766
Trans2 State ID:	Not reported
Generator Ship Date:	910706
Trans1 Recv Date:	910706
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910706
Part A Recv Date:	910719
Part B Recv Date:	910715
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC1288912
Manifest Status:	Completed copy
Trans1 State ID:	GF4780
Trans2 State ID:	Not reported
Generator Ship Date:	911016
Trans1 Recv Date:	911016
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911016
Part A Recv Date:	911101
Part B Recv Date:	911104
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYB1581084
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910716
Trans1 Recv Date:	910716
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910723
Part A Recv Date:	910726

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Part B Recv Date:	910815
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F001 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03200
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01320
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	024
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYB1581102
Manifest Status:	Completed copy
Trans1 State ID:	NY23561B
Trans2 State ID:	Not reported
Generator Ship Date:	910716
Trans1 Recv Date:	910716
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910723
Part A Recv Date:	910726
Part B Recv Date:	910802
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	F003 - UNKNOWN
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Waste Code:	Not reported
Quantity:	02800
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	91

Document ID:	NYB2552580
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ME25756
Trans2 State ID:	Not reported
Generator Ship Date:	910927
Trans1 Recv Date:	910927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910930
Part A Recv Date:	911009
Part B Recv Date:	911031
Generator EPA ID:	NYD001315266
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00325
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	065
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 91

Click this hyperlink while viewing on your computer to access
363 additional NY_MANIFEST: record(s) in the EDR Site Report.

PA MANIFEST:
Year: 2010
Manifest Number: 000895430GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 2
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895431GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D009
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 10

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	000895430GBF
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	04/07/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D002
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	10
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	000895430GBF
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	04/07/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895430GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 80
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 000895431GBF
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 04/07/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 718-316-4332
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: U151
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 10
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Manifest Number:	000141753SKS
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	06/30/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D002
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	300
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2008
Manifest Number:	000141753SKS
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	06/30/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	718-316-4332
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	300
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-316-4332
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	30
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	718-316-4332
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	55
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH043327
Manifest Type:	T
Generator EPA Id:	NYD001315266
Generator Date:	03/20/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 718-316-4332
Page Number: 1
Line Number: 4
Waste Number: D008
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAH043327
Manifest Type: T
Generator EPA Id: NYD001315266
Generator Date: 03/20/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 718-316-4332
Page Number: 1
Line Number: 3
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

SPILLS:
Facility ID: 9006846
DER Facility ID: 130150
Facility Type: ER
Site ID: 153382
DEC Region: 2
Spill Date: 9/21/1990
Spill Number/Closed Date: 9006846 / 10/15/1990
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: FINGER
Referred To: Not reported
Reported to Dept: 9/21/1990
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/25/1990
Spill Record Last Update: 9/2/2004
Spiller Name: Not reported
Spiller Company: STANDARD MOTOR PRO
Spiller Address: 37-18 NORTHERN BLVD
Spiller City,St,Zip: LONG ISLAND CITY, NY
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Not reported
Remarks: DRUMS FELL OFF TRUCK, SPILLED ONTO SOIL AREA, SPEEDY DRY WAS APPLIED, WILL PICK UP & REMOVE CONTAMINATED SOIL.

Material:
Site ID: 153382
Operable Unit ID: 947356
Operable Unit: 01
Material ID: 434292
Material Code: 0022
Material Name: Waste Oil/Used Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 9900754
DER Facility ID: 130150
Facility Type: ER
Site ID: 153384
DEC Region: 2
Spill Date: 4/20/1999
Spill Number/Closed Date: 9900754 / 6/11/2002
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
SWIS: 4101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	4/20/1999
CID:	366
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/20/1999
Spill Record Last Update:	9/2/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"CON ED E2MIS NOTES 7-08-994-20-99 1100hrs.An undiaperable sheen found on 500 gals of water in Vault #unknown, no secondary or primary cables in structure, contained, no sewers or waterways affected. Sample to be taken.Lab Seq#99-04008 <1ppm 4-20-99 2000hrs.5-01-99 18:00hrs. CLeanup completed & Env. Tag #24760 removed.UPDATE - 5/4/99 - NO LEAKING COMPANY EQUIPMENT. INCIDENT IS CLOSED.
Remarks:	PRODUCT FOUND IN VAULT AND IS CONTAINED ON WATER. SAMPLES TO BE TAKEN AND CLEAN UP TO BEGIN.CON ED #124344.

Material:

Site ID:	153384
Operable Unit ID:	1079518
Operable Unit:	01
Material ID:	307875
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

VCP:

Program Type:	VCP
Site Code:	58683
HW Code:	V00257
Site Class:	N
SWIS:	4101

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

Region: 2
Town: New York City
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 10/19/2001
Updated By: REEVANS
Site Description: See Registry Site # 241016
Env Problem: Not reported
Health Problem: Not reported

CBS:
CBS Number: 2-000153
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 591047.33773000
UTMY: 4511892.8172899

AT243 **STANDARD MOTOR PRODUCTS, INC.** **NY VAPOR REOPENED** **S101008344**
ENE **37-18 NORTHERN BOULEVARD** **NY CBS AST** **N/A**
1/2-1 **LONG ISLAND CITY, NY 11101**
0.898 mi.
4743 ft. **Site 2 of 2 in cluster AT**

Relative:
Higher

Actual:
24 ft.

VAPOR REOPENED:
Site Code: 241016
Facility Status: Complete

CBS AST:
CBS Number: 2-000153
ICS Number: 2-021443
PBS Number: Not reported
MOSF Number: Not reported
SPDES Number: Not reported
Facility Status: INACTIVE FACILITY
Facility Type: Not reported
Telephone: (718) 392-0200
Facility Town: NEW YORK CITY
Region: STATE
Expiration Date: 07/27/1991
Total Capacity of All Active Tanks(gal): 0
Operator: MURRAY ROSE
Emergency Contact: CRAIG SWANBURG
Emergency Phone: (516) 795-7147
Owner Name: STANDARD MOTOR PRODUCTS, INC.
Owner Address: 37-18 NORTHERN BOULEVARD
Owner City,St,Zip: LONG ISLAND CITY, NY 11101
Owner Telephone: (718) 392-0200
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Mail Name: STANDARD MOTOR PRODUCTS, INC.
Mail Contact Addr: 37-18 NORTHERN BOULEVARD
Mail Contact Addr2: Not reported
Mail Contact Contact: MURRAY L. ROSE
Mail Contact City,St,Zip: LONG ISLAND CITY, NY 11101
Mail Phone: (718) 392-0200

STANDARD MOTOR PRODUCTS, INC. (Continued) **S101008344**

Tank Id:	061
CAS Number:	71556
Federal ID:	Not reported
Tank Status:	0
Install Date:	01/77
Tank Closed:	07/91
Capacity (Gal):	1000
Chemical:	1,1,1-Trichloroethane
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	Major Data Missing (which is on the certificate)
Date Entered:	07/27/1989
Certified Date:	07/27/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Containment:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6301
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	08/20/91
Is It There:	False
Delinquent:	False
Date Expired:	07/27/91
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	08/20/1991

244
SW
1/2-1
0.944 mi.
4986 ft.

S & G WOODWORKING INC **RCRA-CESQG 1008892201**
1155 MANHATTAN AVE - MAIN FLOO **NY SHWS NYR000135772**
BROOKLYN, NY 11222 **NY MANIFEST**

Relative:
Lower

Actual:
11 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	S & G WOODWORKING INC
Facility address:	1155 MANHATTAN AVE - MAIN FLOO BROOKLYN, NY 11222
EPA ID:	NYR000135772
Mailing address:	MANHATTAN AVE - MAIN FLOOR BROOKLYN, NY 11222
Contact:	MOSHE GRANIT

S & G WOODWORKING INC (Continued) **1008892201**

Contact address: MANHATTAN AVE - MAIN FLOOR
BROOKLYN, NY 11222
Contact country: US
Contact telephone: (718) 389-5602
Telephone ext.: 19
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

S & G WOODWORKING INC (Continued) **1008892201**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: S & G WOODWORKING INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/07/2005
Facility name: S & G WOODWORKING INC
Classification: Small Quantity Generator

Violation Status: No violations found

SHWS:
Program: HW
Site Code: 421914
Classification: N
Region: 2
Acres: 3.865
HW Code: 224138
Record Add: 11/17/2009
Record Upd: 08/26/2011
Updated By: MJKOMORO
Site Description: LOCATION: The Greenpoint Manufacturing and Design Center (GMDC) property is located at 1155-1205 Manhattan Avenue which is an urban area of Brooklyn (Kings County) in New York City. SITE FEATURES: The property is nearly entirely covered by structures, with only one small area covered with other impervious material located along the northern edge of the property along Newtown Creek. There are eight contiguous four to six-story building on the property. The property borders Newtown Creek on the north side. CURRENT ZONING/USE: This property is currently in use for many separate commercial uses, primarily by small businesses and artisans. The surrounding uses are varied - the property adjacent to the west is indicated as having residential and commercial use but appears commercial; the properties to the east across Manhattan Avenue are indicated as being factory/industrial uses, but appear to be commercial with residential above. HISTORICAL USE(s): The property has a long industrial/commercial history, but went through an extensive remedial effort overseen by local agencies in the 1990's. The property owners have done significant renovations on the buildings and have conducted at least two recent investigations which identified limited groundwater contamination, but did not identify any significant soil contamination.
Env Problem: NATURE AND EXTENT OF CONTAMINATION: Only two (of ten) temporary groundwater sampling wells located in the basement of the structure at 1155 Manhattan Avenue showed evidence of contamination. Each contained one chlorinated VOC slightly above standards. Tetrachloroethylene was identified at 21ppb; chloroform was identified at 12 ppb. Groundwater standards are 5 ppb and 7 ppb respectively. Soil samples from these borings were below unrestricted standards for the same compounds. Samples taken from permanent wells did not identify any VOC contamination. Based on professional judgment, the slight exceedances of groundwater standards, adjacent

S & G WOODWORKING INC (Continued) **1008892201**

to the Newtown Creek Superfund Site, do not constitute a significant threat to the environment. No further investigations are warranted at this time. Site designation was changed from "P" to "N."

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	01
Owner Name:	Manhattan Avenue Holding Corp.
Owner Company:	Manhattan Avenue Holding Corp.
Owner Address:	1155 Manhattan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Paul Parkhill
Owner Company:	Greenpoint Manufacturing & Design Center
Owner Address:	1155 Manhattan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

NY MANIFEST:

EPA ID:	NYR000135772
Country:	USA
Mailing Name:	SG WOODWORKING INC
Mailing Contact:	ZOGALA
Mailing Address:	1155 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-5602

S & G WOODWORKING INC (Continued) **1008892201**

NY MANIFEST:
No Manifest Records Available

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245 South 1/2-1 0.951 mi. 5020 ft.

Relative: Lower

Actual: 7 ft.

FORMER MANHATTAN ADHESIVES PLANT **NY SHWS** **S105972443**
425-459 GREENPOINT AVENUE **N/A**
BROOKLYN, NY

SHWS:

Program:	HW
Site Code:	58916
Classification:	N
Region:	2
Acres:	Not reported
HW Code:	224009
Record Add:	11/18/1999
Record Upd:	12/16/2003
Updated By:	kstang
Site Description:	The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites. Manhattan Adhesives is currently an empty factory building that is located at the foot of the Greenpoint Ave., Bridge in Brooklyn. Besides the Manhattan Adhesives factory, about 10 feet from the northeast wall is a manhole (not a sewer or drain) into which liquid waste was allegedly discharged. This waste came from a condemned oil storage site located at the intersection of Rt. 280, and the NJ Turnpike in NJ. The manhole is suspected of being the opening to an underground tank; however, the quantity of the waste allegedly dumped exceeds the capacity of most tanks. This information was obtained from the State Senate Committee on Crime and the Brooklyn District Attorney's office. Phase I State Superfund has been completed. A partial phase II investigation was completed during 1985 and recommended no further action. The Responsible Party has agreed to undertake an investigation in 1986. An investigation has not found hazardous waste on-site.
Env Problem:	Not reported
Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	FRANK CASTIGLIONE
Owner Address:	32-02 COLLEGE POINT BLVD.
Owner Addr2:	Not reported
Owner City,St,Zip:	FLUSHING, NY 11354
Owner Country:	United States of America

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Frank Castiglione
Owner Address:	32-02 College Point Boulevard
Owner Addr2:	Not reported
Owner City,St,Zip:	Flushing, NY 11354
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

246
NE
1/2-1
0.959 mi.
5063 ft.

Relative:
Higher

Actual:
39 ft.

LEVCO METALS PROPERTY
34-11 36TH STREET
LONG ISLAND CITY, NY 11101

NY SHWS **U003391190**
NY AST **N/A**
NY HIST AST
NY MANIFEST
NY Spills
NY VCP

SHWS:

Program:	HW
Site Code:	58675
Classification:	COMPLETED
Region:	2
Acres:	.500
HW Code:	241009
Record Add:	11/18/1999
Record Upd:	05/16/2012
Updated By:	JHOCONNE

Site Description: See also Site no. V00600Location:The Levco Metals Finishers property is located in an urban area of New York City in an industrial part of Long Island City, Queens County. The address is 34-11 36th Street. Site Features:The entire site is occupied by a one story building which covers approximately 21,900 sq.ft. Historical Use:Levco was a metal finishing facility which conducted metal stripping, etching, and plating processes for over 30 years. Industrial operations ceased in November 1990. In March 1996, the Record of Decision (ROD) was executed, which recommended delisting of the site from the Registry. The site has been delisted from the Registry in May 1996. The ROD also recommended additional groundwater monitoring on a semi-annual basis.

Env Problem: Nature and Extent of Contamination:Interim Remedial Measures (IRMs) consisting of excavation and off-site disposal of soil achieved the main remedial goals of the removal of hazardous waste in the former sump area and the cleanup of on-site soil to levels protective of the public health and the environment. Additional remedial action commenced in 2005 under the Voluntary Cleanup Program (see site no. V00600) which is intended to address residual contaminants in the groundwater. An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.Soil: Prior to IRM: elevated concentrations of volatile organic compounds (e.g.,

LEVCO METALS PROPERTY (Continued) **U003391190**

2 ppm trichloroethane; 3.5 ppm trichloroethene) and metals (e.g. 21.2 ppm cadmium; 12 ppm chromium) were detected in the soil beneath the sump area. Contaminated soil from this area was excavated and disposed off site in October 1994.Groundwater : On-Site groundwater is contaminated as a result of disposal activities. Predominant contaminants above Class GA groundwater standards are trichloroethene, 1,1,1-trichloroethane, and cis-1,2-dichloroethene. The ROD recommended additional groundwater monitoring on a semi-annual basis. From 1996 to 2001, several rounds of groundwater monitoring have been conducted and showed that the contaminant levels in the groundwater beneath the site have not declined to acceptable levels. Further remediation of groundwater is being addressed under site no. V00600. Soil gas: An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.

Health Problem:	Soil and groundwater are contaminated with volatile organic compounds (VOCs). Exposure to contaminated groundwater is not expected since the area is served by public water. Contaminated soil is subsurface, therefore exposure is unlikely. A soil vapor extraction system is in place on-site to remediate VOCs in soil and soil vapor. Therefore, inhalation exposure via soil vapor exposure has been minimized. Additional data is needed to evaluate the potential for off-site exposure due to soil vapor intrusion.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	1990
Lat/Long:	40:45:32:0 / 73:55:20:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	KAUFMAN ASTORIA STUDIOS
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	CHARLES LEVA(DECEASED)
Owner Company:	Levco Metals
Owner Address:	34-11 36TH. STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	GEORGE S. KAUFMAN
Owner Company:	KAUFMAN ASTORIA STUDIOS
Owner Address:	34-12 36TH ST.
Owner Addr2:	Not reported

LEVCO METALS PROPERTY (Continued) **U003391190**

Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Kaufman Astoria Studios
Owner Address:	34-12 36th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	241009
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-334979
Program Type:	PBS
UTM X:	590557.77422999998
UTM Y:	4512160.55492
Expiration Date:	2017/11/16
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	15954
Affiliation Type:	On-Site Operator
Company Name:	3411 36TH AVENUE
Contact Type:	Not reported
Contact Name:	DIMITRIOS TSAKONAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 249-1400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Facility Owner
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	MANAGING AGENT
Contact Name:	ANNIE ASSOULINE
Address1:	415 EAST 75TH ST. APT 1FW
Address2:	Not reported

LEVCO METALS PROPERTY (Continued) **U003391190**

City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 249-1400
EMail:	ASAPROP@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Mail Contact
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	MANAGING AGENT
Contact Name:	ANNIE ASSOULINE
Address1:	415 EAST 75TH ST. APT 1FW
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 249-1400
EMail:	ASAPROP@AOL.COM
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/11/2007

Site Id:	15954
Affiliation Type:	Emergency Contact
Company Name:	DIMITRIOS TSAKONAS
Contact Type:	Not reported
Contact Name:	AGRON KOLNDREKHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 606-7237
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/3/2013

Tank Info:

Tank Number:	001
Tank Id:	20924
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

LEVCO METALS PROPERTY (Continued) **U003391190**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1940
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	10/11/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-334979
SWIS Code:	6301
Operator:	DIMITRIOS TSAKONAS
Facility Phone:	(718) 461-7357
Facility Addr2:	34011 36TH AVENUE
Facility Type:	Not reported
Emergency:	GREGORY ORTIS
Emergency Tel:	(718) 937-8437
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DIMITRIOS TSAKONAS
Owner Address:	3161 38TH ST
Owner City,St,Zip:	ASTORIA, NY 11103
Federal ID:	Not reported
Owner Tel:	(718) 461-7357
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	DIMITRIOS TSAKONAS
Mailing Address:	3161 38TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ASTORIA, NY 11103
Mailing Telephone:	(718) 461-7357
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/16/1987
Expiration:	11/16/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000

LEVCO METALS PROPERTY (Continued) **U003391190**

FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYD001316777
Country:	USA
Mailing Name:	LEVCO METAL FINISHES
Mailing Contact:	N/S
Mailing Address:	450 7TH AVE PENTHOUSE
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10123
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-5200

NY MANIFEST:

No Manifest Records Available

LEVCO METALS PROPERTY (Continued) **U003391190**

SPILLS:

Facility ID:	8607571
DER Facility ID:	143329
Facility Type:	ER
Site ID:	170332
DEC Region:	2
Spill Date:	2/28/1987
Spill Number/Closed Date:	8607571 / 3/30/1987
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	4101
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	3/12/1987
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	3/30/1987
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/13/1987
Spill Record Last Update:	2/18/2004
Spiller Name:	Not reported
Spiller Company:	LEVCO
Spiller Address:	34-11 36 ST.
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " " / / : PAUL DECKER (CERT. ENG. TEST. CO.) WILL SEND LAB RESULTS TO AUSTIN; MEETING WILL BE ARRANGED TO DEVELOP FURTHER STRAGETY. / / : PAUL DECKER (CERT. ENG. TEST. CO.) WILL SEND LAB RESULTS TO AUSTIN; MEETING WILL BE ARRANGED TO DEVELOP FURTHER STRATEGY. 10/10/95: This is additional information about material spilled from the translation of the old spill file: TRICHLORETHYLENE.
Remarks:	NOTIFIED OF CONTAMINATION BY CONSULTANT FOR PROPERTY OWNER.

Material:

Tank Test:

VCP:

Program Type:	VCP
Site Code:	57131
HW Code:	V00600
Site Class:	A
SWIS:	4101
Region:	2
Town:	New York City
Acres:	.500

LEVCO METALS PROPERTY (Continued) **U003391190**

Date Record Added: 07/23/2002
Date Record Updated: 06/11/2013
Updated By: JHOCONNE
Site Description: See also Site no. 241009Location:The Levco Metals Finishers property is located in an urban area of New York City in an industrial part of Long Island City, Queens County. The address is 34-11 36th Street. Site Features:The entire site is occupied by a one story building which covers approximately 21,900 sq.ft. Historical Use:Levco was a metal finishing facility which conducted metal stripping, etching, and plating processes for over 30 years. Industrial operations ceased in November 1990. In March 1996, under the State Superfund Program the Record of Decision (ROD) was executed, which recommended delisting of the site from the Registry. The site has been delisted from the Registry in May 1996. The ROD also recommended additional groundwater monitoring on a semi-annual basis. The additional groundwater monitoring is being addressed under the Voluntary Cleanup Program. Hydrogeology:Groundwater flows to the east.
Env Problem: Nature and Extent of Contamination:Interim Remedial Measures (IRMs) consisting of excavation and off-site disposal of soil achieved the main remedial goals of the removal of hazardous waste in the former sump area and the cleanup of on-site soil to levels protective of the public health and the environment. These actions were completed under the State Superfund (SSF) Program. Additional remedial action commenced in 2005 under the Voluntary Cleanup Program (see site no. V00600) which is intended to address residual contaminants in the groundwater. An off-site vapor investigation was completed in 2010 under the SSF Program which concluded that there were no off-site vapor issues.Soil - Prior to IRM: elevated concentrations of volatile organic compounds (e.g., 2 ppm trichloroethane; 3.5 ppm trichloroethene) and metals (e.g. 21.2 ppm cadmium; 12 ppm chromium) were detected in the soil beneath the sump area. Contaminated soil from this area was excavated and disposed off site in October 1994 under the SSF Program.Groundwater - On-Site groundwater is contaminated as a result of disposal activities. Predominant contaminants above Class GA groundwater standards are trichloroethene, 1,1,1-trichloroethane, and cis-1,2-dichloroethene. The SSF Record of Decision (ROD) recommended additional groundwater monitoring on a semi-annual basis. From 1996 to 2001, several rounds of groundwater monitoring have been conducted and showed that the contaminant levels in the groundwater beneath the site have not declined to acceptable levels. Further remediation of groundwater is being addressed under site no. V00600. Soil gas - An off-site vapor investigation was completed in 2010 which concluded that there were no off-site vapor issues.
Health Problem: Soil and groundwater are contaminated with volatile organic compounds (VOCs). Exposure to contaminated groundwater is not expected since the area is served by public water. Contaminated soil is subsurface and will be removed as part of a site-wide redevelopment. A sub-slab depressurization system will be incorporated into the new building to prevent soil vapor intrusion from site related contaminants of concern.

247
NE
1/2-1
0.966 mi.
5100 ft.

KAUFMAN ASTORIA STUDIOS
34-12 36TH ST
ASTORIA, NY 11106

NY SHWS **U001831683**
NY MANIFEST **N/A**
NY Spills

Relative:
Higher

Actual:
37 ft.

SHWS:

Program:	HW
Site Code:	460318
Classification:	N
Region:	2
Acres:	.920
HW Code:	241139
Record Add:	01/25/2012
Record Upd:	12/17/2012
Updated By:	KALEWAND

Site Description: Location: The Site is located at 34-12 36th Avenue, Long Island City, NY in an urban area. It consists of a four-story public school building with a partial basement and a total floor area of approximately 40,000 square feet. The school occupies the first 3 floors and the owner occupies the top floor.Site Features: The Site is bounded by 36th Avenue to the north followed by two four-story residential buildings, 35th Street to the east followed by two-story commercial buildings, two-story commercial and residential properties to the south, and three- and four-story residential with first floor commercial spaces to the west.Current Zoning/Use(s):The site is zoned as M1-1, and is surrounded by industrial, commercial and residential uses.Historic Use(s):The Site was a commercial building occupied by various manufacturing and warehousing entities including a cosmetic manufacturing firm from at least 1934 to approximately 1967. The Site was renovated for use as a public school in 2002. Site Topography, Geology and Hydrogeology:The Site is generally level and the surrounding area slopes downward from north to south.The geology of Queens County consists of unconsolidated glacial deposits overlying crystalline bedrock at about 80 feet below ground surface (bgs). Soil cores collected during prior investigations generally consisted of fill material containing brown sandy silt with some gravel, to a depth of 8 feet bgs. The Site is located 1.1 miles east of the East River and approximately 1.5 miles northeast of Newtown Creek. Groundwater is at 18 to 21 feet bgs. The hydraulic gradient direction is towards the southwest.The site did not qualify for addition to the Registry of Inactive Hazardous Waste Disposal Sites.

Env Problem: Nature and Extent of Contamination: The Supplemental Site Investigation (SSI) dated April 2012 indicated that the presence of tetra-chloroethylene (PCE) and its breakdown products at elevated concentrations in the underlying groundwater. The subsequent Addendum to the SSI performed in June 2012 revealed the presence of these chlorinated volatile organic compounds (CVOCs) at even higher concentrations in nearby upgradient locations.Soil ? There were no volatile organic compounds detected in soil samples at concentrations at or above the Unrestricted Use Soil Cleanup Objectives (UUSCOs). Twelve of sixty-five semi-volatile organic compounds (SVOCs) were detected in one or more soil samples. However, none were detected above the UUSCOs. Seven of the eight metals analyzed for were detected, but only lead and silver were detected at concentrations exceeding the UUSCOs. These were attributed to the characteristics of the fill material. PCBs were not detected in any of the soil samples.Groundwater ? On-site: Three VOCs, namely PCE (450 ppb), tri-chloroethylene (TCE-15 ppb), and cis-1,2-dichloroethylene (DCE-24

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

ppb)were detected in groundwater samples at levels exceeding groundwater standards.Off-site: PCE and one or more of its breakdown products were detected above Class GA Standards in all of the groundwater samples save one. The highest concentrations of these CVOCs were detected in samples from monitoring wells located directly in front of the dry cleaning concern at 35-45 35th Street (13,600 ppb) and at the intersection of 35th Street and 36th Avenue (5,500 ppb -50 feet southwest of the dry cleaning concern) northeast of and directly upgradient of the Site.Sub-slab soil vapor ? Sixteen petroleum and chlorinated solvent related VOCs were detected in one or more of the four sub-slab soil vapor samples. Concentrations of 1,1-Dichloroethane (DCA), 1,2,4-Trimethylbenzene (TMB), 1,3,5-Trimethylbenzene, cis-1,2-Dichloroethene (DCE), PCE and TCE were detected at concentrations greater than the range of published background concentrations. PCE and TCE were detected at concentrations exceeding the NYSDOH Air Guideline Values (AGVs) in all four samples. Indoor Air ? Fifteen petroleum and chlorinated solvent related VOCs were detected in at least one of the two indoor air samples. The concentrations of 1,2,4-TMB, 1,3,5-TMB and PCE exceeded the range of corresponding background indoor air concentrations. However, the concentration of PCE was below the corresponding NYSDOH AGV. A subsequent indoor air sampling event confirmed these findings. Outdoor Air ? PCE was detected in the outdoor air sample at a concentration well below the concentrations found in indoor air and TCE was not detected in the outdoor air sample, indicating that the presence of these compounds in indoor air did not originate from ambient conditions. Significant Threat:The results of the SSI groundwater analysis revealed that PCE, TCE and cis-1,2-DCE were detected at concentrations above the NYSDEC groundwater standard on-site. The presence of these VOCs in groundwater did not appear to be attributable to an on-site source as there was no corresponding detections at high concentrations in soil samples. However, as the Addendum to the SSI revealed there are greater levels of CVOC contamination in nearby off-site upgradient locations and this is most likely the source of on-site CVOC contamination.CVOCs detected at elevated concentrations in sub-slab soil vapor and indoor air are attributable to the the contamination in groundwater. Comparisons of the sub-slab soil vapor concentrations of PCE and TCE to indoor air concentrations indicate that the vapor intrusion pathway is complete and, as per the NYSDOH decision matrices, mitigation is the recommended action. Therefore, a Sub-Slab Depressurization System is scheduled to be installed during the summer break.

Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	On-Site Operator

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Sub Type:	NNN
Owner Name:	Lee Guterman
Owner Company:	NYSCA
Owner Address:	30-30 Thomson Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Sharif El Fouly
Owner Company:	Sharif Designs Ltd.
Owner Address:	34-12 36th Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Long Island City, NY 11106
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

NY MANIFEST:

EPA ID:	NY0000009092
Country:	USA
Mailing Name:	KAUFMAN ASTORIA STUDIOS
Mailing Contact:	TOM ADDIVINOLA
Mailing Address:	34-12 36TH ST
Mailing Address 2:	Not reported
Mailing City:	ASTORIA
Mailing State:	NY
Mailing Zip:	11106
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-392-5600

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	18-Jan-2013 00:00:00
Trans1 Recv Date:	18-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	200

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010560991JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	11-Jun-2013 00:00:00
Trans1 Recv Date:	11-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	26-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011095730JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	OH0000000539
Generator Ship Date:	2012-11-09
Trans1 Recv Date:	2012-11-09
Trans2 Recv Date:	2012-11-21
TSD Site Recv Date:	2012-12-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	562.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Manifest Tracking Num:	010098579JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-15
Trans1 Recv Date:	2011-12-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	009375889JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-08-03
Trans1 Recv Date:	2011-08-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008825624JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

EPA ID:	NYD986973634
Country:	USA
Mailing Name:	EMMIS BROADCASTING INCORPORATED
Mailing Contact:	RICHARD A. JAMES
Mailing Address:	34-12 36TH STREET
Mailing Address 2:	Not reported
Mailing City:	ASTORIA
Mailing State:	NY
Mailing Zip:	11106
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-706-7690

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	18-Jan-2013 00:00:00
Trans1 Recv Date:	18-Jan-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05-Feb-2013 00:00:00

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010560991JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	11-Jun-2013 00:00:00
Trans1 Recv Date:	11-Jun-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	26-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011095730JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	OH0000000539
Generator Ship Date:	2012-11-09
Trans1 Recv Date:	2012-11-09
Trans2 Recv Date:	2012-11-21
TSD Site Recv Date:	2012-12-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Waste Code:	Not reported
Quantity:	562.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098579JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-15
Trans1 Recv Date:	2011-12-15
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-30
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	250.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Year:	2011
Manifest Tracking Num:	009375889JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2011-08-03
Trans1 Recv Date:	2011-08-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-16
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008825624JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-24
Trans1 Recv Date:	2012-04-24

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-02
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633462JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-26
Trans1 Recv Date:	2012-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098619JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-03
Trans1 Recv Date:	2012-07-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000009092
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	350.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010098873JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

SPILLS:

Facility ID:	1010245
DER Facility ID:	398753
Facility Type:	ER
Site ID:	443842
DEC Region:	2
Spill Date:	12/31/2010
Spill Number/Closed Date:	1010245 / 12/31/2010
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	4101
Investigator:	HRAHMED
Referred To:	Not reported

KAUFMAN ASTORIA STUDIOS (Continued) **U001831683**

Reported to Dept:	12/31/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/31/2010
Spill Record Last Update:	12/31/2010
Spiller Name:	Not reported
Spiller Company:	METRO FUEL
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	RENEE LEWIS
Contact Phone:	Not reported
DEC Memo:	12/31/10-HRAHMED-Spoke to Rene Lewis (917 420 8330) of Alliance Mechanical. As per him, 5-7 gal of #6 oil spill from the vent line due to overfill. Noticed oil stain on the wall and side walk. PTC powewashed the wall and the sidewalk. There was no spill in the tankroom. Uploaded closure report and some picture in eDocs.This case is closed.
Remarks:	Caller advised overfill of tank. Clean up is in process.

Material:

Site ID:	443842
Operable Unit ID:	1194289
Operable Unit:	01
Material ID:	2190050
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

248
SSW
1/2-1
0.981 mi.
5180 ft.

FORMER NEY SMELTING AND REFINING COMPANY **NY SHWS** **S113916765**
269 FREEMAN STREET **N/A**
GREENPOINT, NY 11222

Relative:
Lower

Actual:
12 ft.

SHWS:

Program:	HW
Site Code:	439622
Classification:	N
Region:	2
Acres:	1.200

FORMER NEY SMELTING AND REFINING COMPANY (Continued) **S113916765**

HW Code: 224144
Record Add: 09/08/2010
Record Upd: 10/31/2013
Updated By: MJKOMORO
Site Description: Location:The Site is located across multiple addresses in the Greenpoint section of Brooklyn, NY. The addresses for the Site include 257, 259, 263, & 269 Freeman Street and 230, 238, 242 Eagle Street. 269 Freeman Street is also known as 105 Provost Street. The Newtown Creek Water Pollution Control Plant (WPCP) is located directly east of the Site.Site Features:The original Site encompassed five separate buildings and three yards that occupy seven separate lots. The buildings are no more than 2 stories in height. The entire Site is approximately 1.2 acres in size. There are manufacturing buildings to the north, south and west of the Site.Current Zoning/Uses:The area (and properties) is zoned M3-1 which includes heavy manufacturing and industrial uses along with certain commercial uses. Properties on the site are currently used for the manufacturing of air conditioning duct work, a distribution center for paint and varnish, parking, and staging of various contracting equipment.- 263-269 Freeman and 242 Eagle Street are currently used for the manufacturing of air conditioning duct work and accessories- 238 Eagle street is currently used for the distribution of paint and varnish. - The Yard portion east of 238 Eagle Street is currently an unused dirt yard. Historical Uses:In the early 1900?s the site was used as a cooperage for wooden barrel and cask production. From approximately 1942 to 1982, the property was occupied by Reliable Machine Company that had numerous paint spraying locations on the property. In 1982, Ney Smelting and Refining Company took ownership of the property in 1982 and renovated the buildings and used the property for smelting of lead, tin and zinc. Smelting operations ceased in 2003.Site Geology and Hydrogeology:Shallow boring logs indicate the Site overlies historic fill. The soil type below the fill is not known. Depth to groundwater is approximately 10 feet below grade and may be tidally influenced due to the close proximity to the Newtown Creek. Groundwater flow may also be affected by the adjacent Newtown Creek WPCP. Groundwater flow direction is estimated to be to the northeastMiscellaneous:There are no PBS, CBS records for the multiple addresses of the Site.
Env Problem: The site is covered with multiple buildings and parking facilities. One small area of the site contains a dirt construction yard that is largely underlain by a concrete slab.The shallow subsurface soil is comprised of historic fill that contains building debris such as brick and concrete, ash, and soil. This material contains elevated concentrations of inorganics that are generally below allowable concentrations at industrial sites. SVOCs are also present in the soil at the site but also do not exceed standards for industrial areas. No VOCs were detected at levels that cause concern. Data from TCLP analyses were all below hazardous waste thresholds.Groundwater is sporadically impacted by PCE and breakdown products. There is no continuous plume of impacted groundwater as would be observed if a source of PCE was present.
Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported

FORMER NEY SMELTING AND REFINING COMPANY (Continued) **S113916765**

Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	02
Owner Name:	Greenpoint Group, LLC
Owner Company:	Greenpoint Group, LLC
Owner Address:	269 Freeman Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	03
Owner Name:	Michael Kustanovich
Owner Company:	Aleta Group, Inc.
Owner Address:	242 Eagle Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11222
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	09
Owner Name:	Haim Boiangiu
Owner Company:	Abbot Paint & Varnish
Owner Address:	238 Eagle St.
Owner Addr2:	Not reported
Owner City,St,Zip:	Green Point, NY 11222
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	03
Owner Name:	Geno Camali
Owner Company:	259 Freeman, LLC
Owner Address:	304 Harrington Ave
Owner Addr2:	Not reported
Owner City,St,Zip:	Closter, NJ 07624
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	03
Owner Name:	Herb Lowenstein
Owner Company:	238 Eagle Realty Co. LLC.
Owner Address:	3006 Davis Pl
Owner Addr2:	Not reported
Owner City,St,Zip:	Oceanside, NY 11572
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

249
South
1/2-1
0.991 mi.
5233 ft.

460 KINGSLAND AVENUE LLC
460 KINGSLAND AVE
BROOKLYN, NY 11222

NY SHWS **U003074537**
NY HIST UST **N/A**
NY AST
NY MANIFEST
NY Spills

Relative:
Lower

Actual:
9 ft.

SHWS:

Program:	HW
Site Code:	415641
Classification:	P
Region:	2
Acres:	3.500
HW Code:	224135
Record Add:	06/25/2009
Record Upd:	09/15/2010
Updated By:	SRHEIGEL

Site Description: The Site is located at 460 Kingsland Avenue in the northernmost section of Brooklyn within a commercial/industrial area and is approximately 3.5 acres in size. It is bordered by Newtown Creek to the east, Kingsland Avenue to the west, Greenpoint Avenue to the north (adjacent to Newtown Creek WPCP), and the Former ExxonMobil Brooklyn Terminal (Mobil Brooklyn Refinery) to the south. Topographic elevations at the Site are approximately 7 feet above mean sea level (amsl) within the southeastern portion of the Site and gradually rise to approximately 11 ft amsl within the northwestern portion of the Site.The Site is currently vacant but was most recently used as a trucking distribution hub. The site has two abutting one-story buildings divided into storage and office space. Exterior areas are paved and used for delivery and shipping purposes, as well as the staging of delivery vehicles. The Site was historically operated as part of the former Mobil Brooklyn Refinery (SOCONY), which itself was a continuation of petroleum refining and storage operations that were prevalent in Greenpoint since the mid-Nineteenth Century. As part of the earlier petroleum refining and storage operations, the southern region of the Site was used for petroleum bulk storage purposes whereas improvements in the northern region of the Site included a distillery and a boiler works storage yard. Under former operations, the Site also served as a petroleum bulk storage yard that included three petroleum bulk storage tanks, two chemical bulk storage tanks containing acids, and an API-type oil/water separator along the southern Site boundary. The site was reportedly used by Mobil?s Technical Services Division (TSD) for study of petroleum product uses.After refinery operations at the former Mobil Brooklyn Refinery ceased in 1966, the Site was sold in 1967 and redeveloped with the existing commercial building in 1968 and occupied by miscellaneous trucking operations. In addition, fifteen underground storage tanks containing diesel fuel, heating oil, and waste oil were maintained during the operation of the commercial/transfer facilities and were removed in 1994. A spill (#9402812) reported during the tank removal initiated site investigation and characterization activities. In addition, ExxonMobil has performed some investigation of the site as part of the remediation of the former Mobil Brooklyn Refinery.The initial investigation activities indicated petroleum-impacted soils existed within the shallow subsurface beneath the Site and that free-phase petroleum product was also located within the shallow subsurface. More recent sampling seeking to close the open spill identified PCB contamination in shallow soil under the asphalt pavement and indicated limited groundwater contamination from PCBs exists.

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Env Problem:	Soil sampling indicates that hazardous waste disposal has occurred at the site. Groundwater sampling at the site indicates that PCBs may be present in the shallow groundwater at levels above the NYSAWQS. Additional site characterization is necessary to examine complete nature and extent in groundwater and soil and to determine if a significant amount of waste is present.Petroleum impacts are present in site in shallow and deeper soils, and in groundwater from former refining operations on and near the site.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	02
Owner Name:	Not reported
Owner Company:	NEW SAG LLC
Owner Address:	2 GALASSO PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	MASPETH, NY 11378
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	SALVATORE TROVATO
Owner Company:	REVEAL KINGSLAND LLC
Owner Address:	X
Owner Addr2:	Not reported
Owner City,St,Zip:	X, NY 11222
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	FRANK GALASSO
Owner Company:	NEWSAG LLC
Owner Address:	X
Owner Addr2:	Not reported
Owner City,St,Zip:	X, NY 11222
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

HIST UST:

PBS Number:	2-318035
SPDES Number:	Not reported
Emergency Contact:	CARL BEZNOTT
Emergency Telephone:	(913) 344-3000
Operator:	STEVE SHINNERS
Operator Telephone:	(913) 344-3000
Owner Name:	YELLOW FREIGHT SYSTEM, INC
Owner Address:	10990 ROE AVE
Owner City,St,Zip:	OVERLAND PARK, KS 66211
Owner Telephone:	(913) 345-3000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	YELLOW FREIGHT SYSTEM, INC
Mailing Address:	10990 ROE AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	OVERLAND PARK, KS 66211
Mailing Contact:	ENVIRONMENTAL SERVICES
Mailing Telephone:	(913) 344-3000
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	460 KINGSLAND AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/04/1992
Expiration Date:	07/20/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	275
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	07/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	07/01/1994
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 07/01/1994
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated
Facility Id: 2-318035
Program Type: PBS
UTM X: 589315.25375000003
UTM Y: 4509558.9214300001
Expiration Date: N/A
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 14649
Affiliation Type: Facility Owner
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 10990 ROE AVE
Address2: Not reported
City: OVERLAND PARK
State: KS
Zip Code: 66211
Country Code: 001
Phone: (913) 345-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: Mail Contact
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: ENVIRONMENTAL SERVICES
Address1: 10990 ROE AVE
Address2: Not reported
City: OVERLAND PARK
State: KS
Zip Code: 66211
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: On-Site Operator
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: STEVE SHINNERS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 14649
Affiliation Type: Emergency Contact
Company Name: YELLOW FREIGHT SYSTEM, INC
Contact Type: Not reported
Contact Name: CARL BEZNOTT
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (913) 344-3000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 014
Tank Id: 48533
Material Code: 9999
Common Name of Substance: Other

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Pipe Model:	Not reported
Install Date:	07/01/1994
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/01/1994
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	017
Tank Id:	48535
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1978
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

NY MANIFEST:

EPA ID:	NYR000165910
Country:	USA
Mailing Name:	460 KINGSLAND AVENUE LLC
Mailing Contact:	STEVE TRIFILETTI
Mailing Address:	460 KINGSLAND AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Mailing Phone: 631-232-2600

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD045995693
Trans2 State ID: MAD084814136
Generator Ship Date: 2009-11-02
Trans1 Recv Date: 2009-11-02
Trans2 Recv Date: 2009-11-06
TSD Site Recv Date: 2009-11-20
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000165910
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: MID048090633
Waste Code: Not reported
Quantity: 454.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 2.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2009
Manifest Tracking Num: 006444509JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 2010-03-26
Trans1 Recv Date: 2010-03-26
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2010-04-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000165910
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 1638.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 9.0

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	000346858VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

SPILLS:

Facility ID:	9403747
DER Facility ID:	251993
Facility Type:	ER
Site ID:	312530
DEC Region:	2
Spill Date:	6/16/1994
Spill Number/Closed Date:	9403747 / 12/26/2002
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	6/16/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/22/1994
Spill Record Last Update:	10/3/2003
Spiller Name:	Not reported
Spiller Company:	YELOW FREIGHT LINE
Spiller Address:	460 KINGSLAND AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"SEE EARLY, OPEN SPILL REPORT NO. 9402812.10/10/95: This is additional information about material spilled from the translation of the old spill file: PETRO & HYDRO CARBON.12/26/02, MILLER CLOSED SPILL REPORT 9403747 AND CROSS-REFERENCED IT WITH OPEN, EARLIER SPILL REPORT NO. 9402812.

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Remarks: SPILL PREVIOUSLY REPORTED

Material:

Site ID:	312530
Operable Unit ID:	997426
Operable Unit:	01
Material ID:	383917
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9402812
DER Facility ID:	251993
Facility Type:	ER
Site ID:	312529
DEC Region:	2
Spill Date:	5/19/1994
Spill Number/Closed Date:	9402812 / 3/27/2009
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	5/26/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/22/1994
Spill Record Last Update:	3/31/2009
Spiller Name:	Not reported
Spiller Company:	YELLOW FREIGHT SYSTEM
Spiller Address:	10990 ROE AVENUE
Spiller City,St,Zip:	OVERLAND PARK, KS 662
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL" ALSO SEE LATER, CLOSED SPILL REPORT NO. 9403747.10/10/95: This is additional information about material spilled from the translation of the old spill file: HEAVY FUEL OIL.03/29/04Related to

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Mobil Greenpoint spillTransferred from Miller to Rommel.10/12/04Received call from John Harrison, EcolSciences, Rockaway, NJ, 973-366-9500, representing potential buyer. Plans to FOIA the file. Rommel3/4/05 - Mr. Arthur Max, a consultant representing the current owner called to inquire about what it takes to close out the case. His Number is 201-867-6777. Transfer it to Alex Zhitomirsky. - KST3/31/2005 According to Arthur Max Yellow Freight pulled some tanks in 1994. They found and removed most of the soil contamination. DEC asked to remove more contamination around the perimeter. Woodward Clyde stated that due to the Mobil spill and high background contamination there is no point in removing more soil. Weintraub real estate company was hired by Yellow Freight. Alex Zhitomirsky requested on March 4, 2005, that the responsible party should submit documentation supporting their case to NYSDEC. AZ9/26/2005 Conversation with Arthur Max. They want to buy this property and inquired what should be done in order to close this spill. I responded that site assessment should be performed. Gw wells installed at the property and along the perimetr of the property in order to compare background contamination with the site contamination. AZ1/17/2006 I left a message for Arthur Max. Investigation/delineation is pending. AZ1/18/2006 I contacted Arthur Max (Weintraub, Casey - Realtors 201-876-6777). He informed me that they sold this property in November 2005 to Sagres, LLC 2 Galasso Place, Maspeth, NY 11378 718-456-1800(?)(they are in the same building as Galasso Trucking).I contacted Frank Galasso (partner) at 718-456-1800. He said that I should talk to Phil Galasso (partner)516-965-7766. He will ask him to contact me ASAP. AZ4/3/2006 I contacted Phil Galasso (Reveal New Sag LLC.)516-965-7766. He will file for FOIL and have his consultant contact me. AZ6/13/2006 I left a message for John Urda (DEC Legal)requesting his assistance with this case. AZ6/14/2006 Jon Kolleeny recommended to refer this case to J. Urda. J. Urda recommended to send RP a short form STIP. J. Kolleeny supported this recommendation. A short form STIP was sent to Phil Galasso, Sagres LLC, 2 Galasso Place, Maspeth, NY 11378 AZ6/27/2006 Received a message from Steve Russo (212-421-2150). Left a message for Steve Russo. AZ6/27/2006 Conversation with Steve Russo, attorney for the owner (Reveal New Sag). He works for Sive Paget company(212-421-2150). They will send me report for review. I will get back to them when I review the report. AZ6/28/2006 The report does not contain a map showing the locations of the old excavated tanks (15 USTs). No borings were installed near the old tank field. Fingerprint analyses were not attached. AZ7/27/2006 Left a message for Steve Russo (Sive, Paget & Riesel). AZ 8/2/2006 Conversation with Steve Russo (212-421-2150). I conveyed to him that the report lacks essential information:borings/wells were not installed near the old tank field; there is no map showing the old excavated tanks (15 USTs), fingerprint analyses were not attached to the report. DEC requested new borings/wells installation, mointoring of the new wells and fingerprint analyses of the free phase. He will get back to me with a plan of actin in a week. AZ8/10/06 I sent e-mail to Steven Russo Sive, Paget & Riesel, P.C. at 460 Park Avenue New York, New York 10022(212) 421-2150 confirming the additional items that should be submitted to DEC:1. A sampling plan providing for the installation of groundwater wells and collection of soil samples proximate to the area where the former Yellow Freight USTs were excavated 2. Reflect the former UST location on the map or maps accompanying the supplemental sampling plan 3. Provide results of historic and new

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

fingerprint analysis of petroleum, if any, collected from the newly installed monitoring wells or, if no free product is collected from the wells, from soil samples. AZ1/31/2007 I contacted Steven Russo @ (212) 421-2150 (Sive, Paget & Riesel). Exxon Mobil is preparing an extensive sampling plan for this site which will be submitted within a month. He will send me fingerprint analyses and a map with tank locations. He will forward a sampling plan as soon as it will be available. AZ2/6/2007 Received historical and current fingerprint analyses from Steve Russo. He stated that "we are hoping to finalize access issues with Exxon Mobil in the next week so that a work plan to more fully investigate the site can be submitted shortly." AZ4/13/2007 Received e-mail from Ed Hampston (DER Albany). He received proposed investigation plan (part of investigations associated with the former Mobil Refinery/Terminal from Exxon) and forwarded it to Reg. 2. E. Hampston will likely to request some of their borings go beyond the first impermeable layer they encounter (or nest wells) to see if there is deeper contamination. I reviewed the Exxon proposals and discussed the work plan with Ed. I suggested increasing the number of wells (they initially suggested 3 wells), advancing wells at the locations of the former Yellow Freight tanks, advancing wells near the Exxon plume boundaries, performing fingerprint analyses on all samples, compiling detailed groundwater and soil plume maps. AZ11/1/2007 Reviewed Investigation Report by Roux Associates dated August 2, 2007 and received on August 21, 2007. Nine soil borings and three new shallow aquifer wells wells and three new regional aquifer monitoring wells were completed. SVOC and metals were detected at concentrations greater than the NYSDEC Restricted Commercial Use Criteria in the shallow subsurface beneath the property. with the highest concentrations present in the vicinity of SB-4, SB-7, SB-9. PCBs were also detected at three soil borings with the highest concentrations observed at SB-6. Although petroleum staining was observed throughout the shallow subsurface, only globules of free product were observed at two locations that were associated historic petroleum storage operations. There were no observed visual impacts within the regional aquifer. VOC and SVOCs are present in groundwater above the NYSDEC AWQSGV within the shallow aquifer. PCB were detected in one location within the sallow aquifer at monitoring well KNW-4. Within the regional aquifer, only minor concentrations of petroleum and chlorinated compounds were observed in gw above the guidance level. According to the report, data indicated that the free product plume present within the regional aquifer beneath the Exxon Mobil Brooklyn Terminal to the south of the property does not extend to the north beneath the property. AZ 12-27-2007 Letters to Phil Galasso and Exxon Mobil were sent out by DEC (Ed Hampston - Central Office). The DEC letters required further investigation and remediation of the site. AZ1-9-2008 Meeting with Philip Galasso (Revael New Sag), John Urda, Ed Hapston, Alan Michaels (by phone NYSDEC), Michael Bogin (Steve, Paget), Dan Buget. AZ8-12-2008 The owner is proceeding with the sale of the property. The existing building will be demolished for a "clean fill" recycling operation. As part of the demo, they intend to dig out around the building footprint, and want to know if this will be enough to close the UST spill. I recommended taking the end point samples. Also, a work plan containing a site map with UST locations, hot spots (based on the previous investigations), the excavation area and proposed sampling locations should be submitted to DEC. I conveyed my suggestions to John Urda and Ed Hampston. AZ10-27-2008 I have

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

received an e-mail from Ed Hampston who forwarded a request for spill closure by Leggette, Brashears @ Graham. I e-mailed my response to John Urda and Ed Hampstead. AZ10-29-2008 Conference call with John Urda and Michael Bogin. DEC requested that New Sag investigate and remediate area in front of the building at the locations of the former USTs (diesel, waste oil and heating oil tanks). According to September 19, 1994 closure report, waste oil tank had 3 holes and soil in the USTs area exhibited VOC exceedances. Also, VOC concentrations in the former USTs area exceeded the background concentrations. DEC (Mike Mulqueen 2-27-1995) requested further investigation and remediation. AZ1-8-2008 A conference call with Central office was held (V.Brevdo, J. Urda, Ed Hampston, Alan Michaels, Joseph White). The site was discussed. Central Office will work with Exxon Mobil to address PCB contamination. AZ2/4/2009 A meeting was held among Alex Zhitomirsky, John Urda, Vadim Brevdo, Allan Michaels, Ed Hampston of DEC and Phil Galasso and Michael Bogin representing Mr. Galasso. Phil Galasso and Michael Bogin presented information that appears to support their conviction that PCB contamination and remaining petroleum contamination plums are part of a greater Exxon Mobil plume (Greenpoint plume) and, therefore, should be investigated/remediated by Exxon Mobil. It was decided that Albany (Ed Hempston and Allan Michaels) will call a meeting with Exxon Mobil so the other party can present their case. If information presented by 460 Kingsland owners is confirmed then this spill number will be closed and referred to a main spill number of Greenpoint (Exxon Mobil)spill for further investigation/remediation. AZ3-27-2009 After consultation with V. Brevdo, J. Urda and Ed Hampston this spill number is closed. According to Ed Hampston, all further activities for this site will be tracked under spill #8800244 (this is the spill Central Ofiice has PIN attached). Ed Hampston intends to create a P site for 460 Kingsland. AZ

Remarks: FOUNDATION TEST BARINGS-OIL MAY BE FROM ADJACENT MOBIL REFINERY

Material:

Site ID:	312529
Operable Unit ID:	996611
Operable Unit:	01
Material ID:	567174
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0307959
DER Facility ID:	251993
Facility Type:	ER
Site ID:	107522
DEC Region:	2
Spill Date:	10/28/2003

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Spill Number/Closed Date:	0307959 / 11/13/2003
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	10/28/2003
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/28/2003
Spill Record Last Update:	11/13/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	FDNY DISP 381
Contact Phone:	(718) 965-8300
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"10/28/2003 - ROSSAN, DDO; Called FDNY Disp. 381, who confirmed that clean-up is been done by the Sanitation Dept. using Spedi-dri. and sand. Advised that the NYS-DEP be informed. FDNY called again to cinfirmed that amount of diesel spilled is 200 gallons.Discussed with Michelle, who decided to visit spill site. Ed.10/29/03 Tipple conducted site visit//sand still on roadway//three drums of mostly liquid oil on site//called FDNY, located captain who responded, by the time the FD arrived, the truck responsible for the spill was long gone. Upon interviewing individuals who worked adjacent to the facility the truck was a dark green fuel iol truck, no one interviewed noticed the name of the company. NO RP IDENTIFIED. put drums on drum run.11/13/03 TJDContainers emptied on 11/7/03 as part of R2 drum run. See spill #9930008. Spill closed.
Remarks:	cleanup in progress

Material:

Site ID:	107522
Operable Unit ID:	874334
Operable Unit:	01
Material ID:	501480
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	200
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

460 KINGSLAND AVENUE LLC (Continued) **U003074537**

Tank Test:

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRONX	1010488291	NYSDOT BIN 1066220	GRANT HIGHWAY OVER CROSS BRONX	11101	FINDS, NY MANIFEST
BRONX	1000458300	NYCDEP	TUNNEL #3 ROOSEVELT ISLAND	10468	RCRA NonGen / NLR, FINDS, NY MANIFEST
BROOKLYN	1007207157	CONSOLIDATED EDISON	VS2299-47TH & 43RD	11201	RCRA NonGen / NLR, NY MANIFEST
LONG ISLAND CITY	1004758973	NYCDOT	39TH STREET BRIDGE(SUNNY SIDE)	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1007208435	CONSOLIDATED EDISON	TM 632 40 AVE & CRESECNT ST		RCRA NonGen / NLR, NY MANIFEST
LONG ISLAND CITY	1004758556	NYSDOT	CLEARVIEW EXP #14	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1004758555	NYSDOT	CLEARVIEW EXPWAY #13	11101	RCRA NonGen / NLR, FINDS, NY MANIFEST
LONG ISLAND CITY	1007112483	MTA EXISTING RAIL YARD	QUEENS ST - DEAD END	11101	RCRA NonGen / NLR
LONG ISLAND CITY	1007208408	CONSOLIDATED EDISON	TM6766-JACKSON AVE & CRDANE ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206732	CONSOLIDATED EDISON	7598 - 21ST & 43 AVE		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206606	CONSOLIDATED EDISON	V 4551 - 44 AVE & 22 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206690	CONSOLIDATED EDISON	VS 7533 - 43 AVE & 38 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206568	CONSOLIDATED EDISON	V 8013 - 33RD & CRESCENT ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206626	CONSOLIDATED EDISON	VS 8487 - QUEENS BLVD & 38 ST		RCRA NonGen / NLR, NY MANIFEST
QUEENS	1007206681	CONSOLIDATED EDISON	V 9093 - 36 ST & QUEENS BLVD	11357	RCRA NonGen / NLR, NY MANIFEST
QUEENS	1004755718	NYCDOT BRIDGES BIN 2247260	JACKSON AVE BRIDGE OVER	11101	RCRA NonGen / NLR, FINDS
QUEENS	1006810334	CON ED	11 ST QUEENS PLAZA SOUTH		RCRA-CESQG, NY MANIFEST
QUEENS	1001489235	NYCTA	QUEENSBORO PLAZA		RCRA-CESQG, FINDS, NY MANIFEST
QUEENS	1007206689	CONSOLIDATED EDISON	V3601-34TH ST & 43RD AVE	11428	RCRA NonGen / NLR, NY MANIFEST
QUEENS COUNTY	S112209750	CONSOLIDATED EDISON CO #3000	ROUTE 133 AND STONE		NY MANIFEST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

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

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/26/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 94
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2014
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 7
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 10/22/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 11/13/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 5

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/20/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 22

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 11/08/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

SPILLS: Spills Information Database

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

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/26/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 143

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/26/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/27/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/21/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 67

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/12/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 10/17/2013
Date Data Arrived at EDR: 10/17/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 54

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/10/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 09/17/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 43

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/08/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16
Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 10/15/2013
Date Data Arrived at EDR: 10/16/2013
Date Made Active in Reports: 11/14/2013
Number of Days to Update: 29
Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36
Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/19/2013
Date Data Arrived at EDR: 09/20/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/19/2013
Date Data Arrived at EDR: 09/20/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 09/10/2013
Date Made Active in Reports: 11/25/2013
Number of Days to Update: 76

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 09/10/2013
Date Made Active in Reports: 11/25/2013
Number of Days to Update: 76

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 62

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 11/13/2013
Number of Days to Update: 62

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 08/14/2013
Date Made Active in Reports: 09/20/2013
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

27-21 44TH DRIVE AND 44-18 PURVES STREET
44-18 PURVES STREET
LONG ISLAND CITY, NY 11101

TARGET PROPERTY COORDINATES

Latitude (North):	40.7467 - 40˚ 44' 48.12''
Longitude (West):	73.9415 - 73˚ 56' 29.40''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589364.6
UTM Y (Meters):	4510966.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

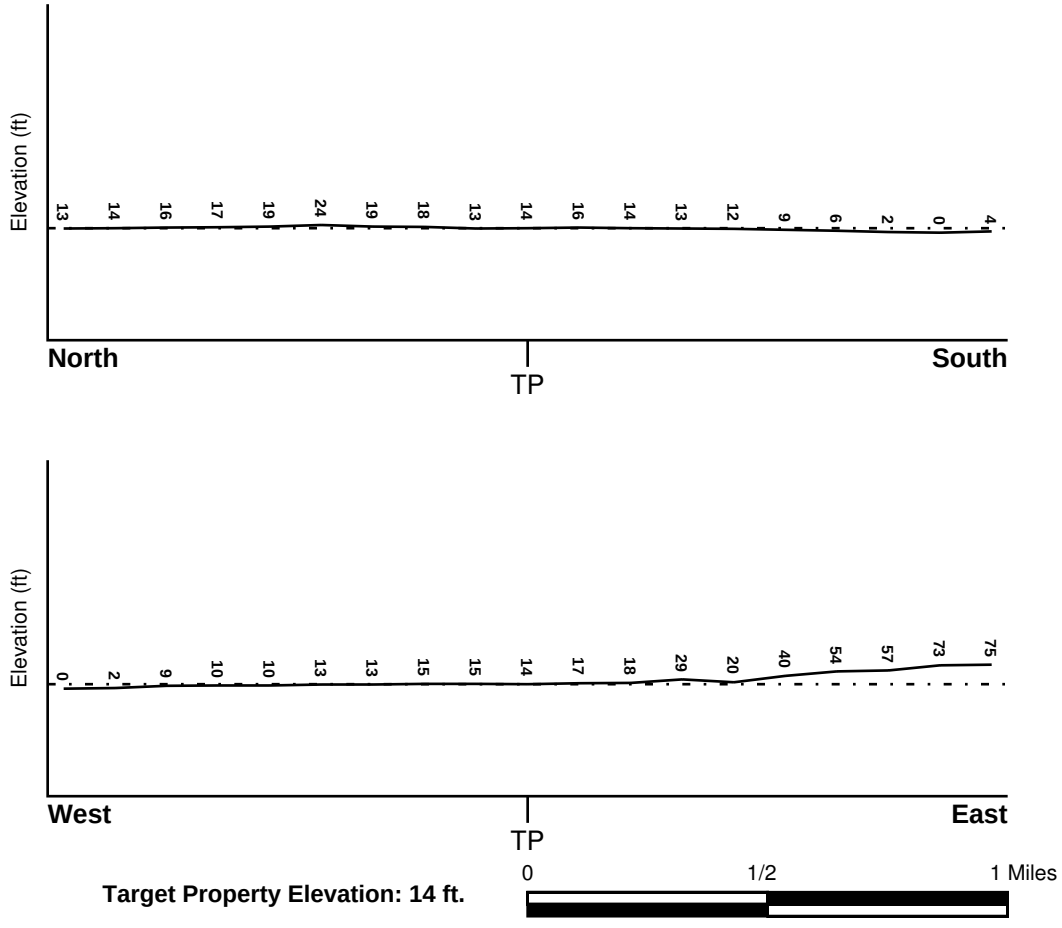
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 14 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
QUEENS, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 360497 - FEMA DFIRM Flood data

Additional Panels in search area:
- 3604970032B - FEMA Q3 Flood data
- 3604970040B - FEMA Q3 Flood data
- 3604970039B - FEMA Q3 Flood data
- 3604970048B - FEMA Q3 Flood data
- 3604970047B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Ordovician
Code:	Oe *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000831273	0 - 1/8 Mile WSW
2	USGS40000831198	1/8 - 1/4 Mile ESE
3	USGS40000831141	1/4 - 1/2 Mile SW
4	USGS40000831282	1/4 - 1/2 Mile West
5	USGS40000831481	1/4 - 1/2 Mile NNW
6	USGS40000831487	1/4 - 1/2 Mile NNE
7	USGS40000831118	1/4 - 1/2 Mile SE
8	USGS40000831434	1/4 - 1/2 Mile ENE
9	USGS40000831211	1/4 - 1/2 Mile ESE
A10	USGS40000830996	1/4 - 1/2 Mile SSE
A11	USGS40000830959	1/2 - 1 Mile SSE
12	USGS40000831006	1/2 - 1 Mile SW
13	USGS40000831119	1/2 - 1 Mile WSW
14	USGS40000831512	1/2 - 1 Mile NE
15	USGS40000831012	1/2 - 1 Mile SE
16	USGS40000831272	1/2 - 1 Mile East
17	USGS40000831480	1/2 - 1 Mile ENE
18	USGS40000831691	1/2 - 1 Mile North
19	USGS40000830940	1/2 - 1 Mile SW
20	USGS40000831488	1/2 - 1 Mile WNW
21	USGS40000831511	1/2 - 1 Mile NE
22	USGS40000831605	1/2 - 1 Mile NE
23	USGS40000831744	1/2 - 1 Mile North
24	USGS40000831177	1/2 - 1 Mile West
25	USGS40000831755	1/2 - 1 Mile NNE
26	USGS40000830700	1/2 - 1 Mile SSW
B27	USGS40000831271	1/2 - 1 Mile East
B28	USGS40000831231	1/2 - 1 Mile East
29	USGS40000831669	1/2 - 1 Mile NE
C30	USGS40000831319	1/2 - 1 Mile East
31	USGS40000831796	1/2 - 1 Mile NNW
32	USGS40000831165	1/2 - 1 Mile ESE
33	USGS40000831093	1/2 - 1 Mile ESE
C34	USGS40000831350	1/2 - 1 Mile East
35	USGS40000830776	1/2 - 1 Mile SW
36	USGS40000830981	1/2 - 1 Mile ESE
37	USGS40000831048	1/2 - 1 Mile WSW
38	USGS40000831882	1/2 - 1 Mile North
39	USGS40000830559	1/2 - 1 Mile South
40	USGS40000831496	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

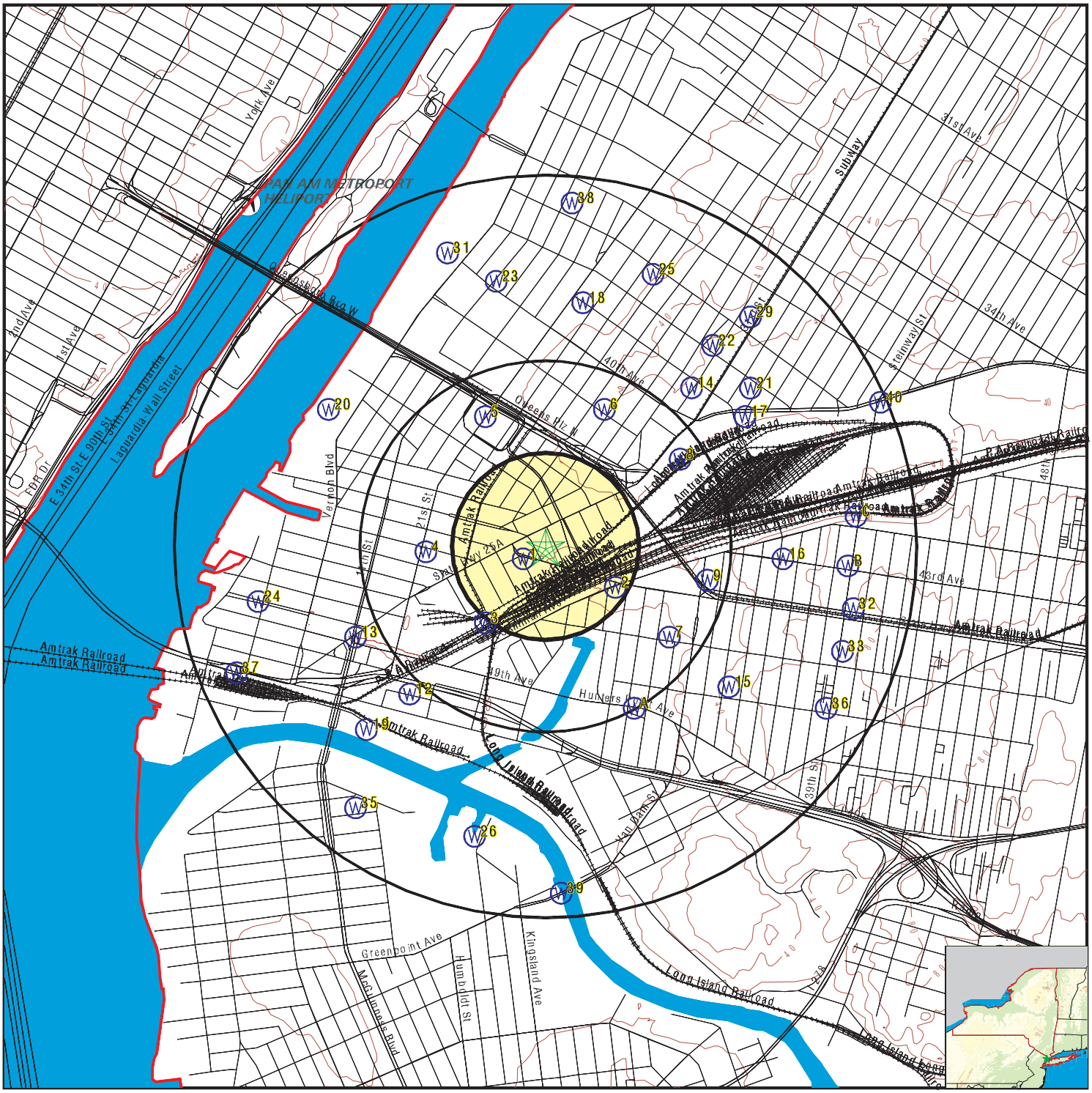
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3798265.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	27-21 44th Drive and 44-18 Purves Street	CLIENT:	Langan Engineering, Inc.
ADDRESS:	44-18 Purves Street Long Island City NY 11101	CONTACT:	Jessica Alzamora
LAT/LONG:	40.7467 / 73.9415	INQUIRY #:	3798265.2s
		DATE:	December 02, 2013 10:59 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
WSW **FED USGS** **USGS40000831273**
0 - 1/8 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073563501		
Monloc name:	Q 1738. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9426378	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	146
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
ESE **FED USGS** **USGS40000831198**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404442073561801		
Monloc name:	Q 171. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7451019
Longitude:	-73.9379154	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	46.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3
SW **FED USGS** **USGS40000831141**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404437073564201		
Monloc name:	Q 398. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.743713
Longitude:	-73.9445823	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	67
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
West **FED USGS** **USGS40000831282**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404447073565301		
Monloc name:	Q 399. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7464907
Longitude:	-73.9476379	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	68
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5
NNW **FED USGS** **USGS40000831481**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404506073564201		
Monloc name:	Q 962. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7517684
Longitude:	-73.9445823	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

6
NNE **FED USGS** **USGS40000831487**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404507073552001		
Monloc name:	Q 2721. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7520462
Longitude:	-73.938471	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	300
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

7
SE **FED USGS** **USGS40000831118**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404435073560801		
Monloc name:	Q 1632. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7431575
Longitude:	-73.9351376	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	18.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

8
ENE **FED USGS** **USGS40000831434**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404500073560601		
Monloc name:	Q 2445. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7501018
Longitude:	-73.934582	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	26.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	110
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

9
ESE **FED USGS** **USGS40000831211**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404443073560101		
Monloc name:	Q 2333. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7453797
Longitude:	-73.9331931	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	37
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A10
SSE **FED USGS** **USGS40000830996**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404426073561401		
Monloc name:	Q 1502. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7406576
Longitude:	-73.9368043	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	93
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A11
SSE **FED USGS** **USGS40000830959**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404424073561501		
Monloc name:	Q 1638. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.740102
Longitude:	-73.9370821	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	73
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

12
SW **FED USGS** **USGS40000831006**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404427073565601		
Monloc name:	Q 17. 1		
Monloc type:	Well		
Monloc desc:	5601		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7409353
Longitude:	-73.9484713	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	175
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

13
WSW **FED USGS** **USGS40000831119**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404435073570601		
Monloc name:	Q 423. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7431575
Longitude:	-73.9512492	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	69
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

14
NE **FED USGS** **USGS40000831512**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404510073560402		
Monloc name:	Q 3122. 2		
Monloc type:	Well		
Monloc desc:	LAT/LONG UPDATES FROM SIM 3066		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7528889
Longitude:	-73.934	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	43
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

Aquifer type:	Unconfined single aquifer		
Construction date:	20000614	Welldepth:	55
Welldepth units:	ft	Wellholedepth:	55
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 54

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-23		14.42	2004-12-17		14.55
2004-11-17		14.54	2004-10-26		14.52
2004-09-22		14.49	2004-08-24		14.35
2004-07-22		14.13	2004-06-23		14.03
2004-05-25		14.13	2004-04-29		14.10
2004-03-17		14.12	2004-02-25		14.21
2003-12-29		14.24	2003-11-26		14.13
2003-10-30		14.14	2003-09-26		14.23
2003-08-28		14.26	2003-07-30		14.13
2003-06-26		14.16	2003-05-28		13.85
2003-04-24		13.78	2003-03-19		13.57
2003-02-26		13.54	2003-01-30		13.38
2002-12-23		13.35	2002-11-22		13.32
2002-10-23		13.10	2002-09-24		12.84
2002-08-28		12.70	2002-07-18		12.76
2002-06-26		12.80	2002-05-30		12.78
2002-04-26		12.72	2002-03-19		12.90
2002-02-26		13.05	2002-01-29		13.20
2001-12-27		13.45	2001-11-20		13.83
2001-10-23		14.58	2001-09-25		15.36
2001-08-22		15.17	2001-07-25		15.02
2001-06-27		15.06	2001-05-23		14.75
2001-04-24		14.44	2001-03-19		14.03
2001-02-26		13.78	2001-01-31		13.48
2000-12-20		12.91	2000-11-29		12.89
2000-10-24		13.00	2000-09-27		12.86
2000-08-28		12.82	2000-07-24		12.56

15
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000831012**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404428073555701		
Monloc name:	Q 122. 1		
Monloc type:	Well		
Monloc desc:	5701		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7412131
Longitude:	-73.9320819	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	125
Welldepth units:	ft	Wellholedepth:	140
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

16
East **FED USGS** **USGS40000831272**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073554701		
Monloc name:	Q 1258. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9293041	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

17
ENE **FED USGS** **USGS40000831480**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404506073555401		
Monloc name:	Q 13. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7517685
Longitude:	-73.9312486	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	24.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	89
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

18
North **FED USGS** **USGS40000831691**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404522073562401		
Monloc name:	Q 1221. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7562128
Longitude:	-73.9395821	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	178
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

19
SW **FED USGS** **USGS40000830940**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404422073570401		
Monloc name:	Q 395. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7395464
Longitude:	-73.9506936	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	74
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

20
WNW **FED USGS** **USGS40000831488**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404507073571101		
Monloc name:	Q 161. 1		
Monloc type:	Well		
Monloc desc:	1101		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7520462
Longitude:	-73.9526381	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	228
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NE **FED USGS** **USGS40000831511**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404510073555301		
Monloc name:	Q 1635. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7528796
Longitude:	-73.9309708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	40
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
NE **FED USGS** **USGS40000831605**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404516073560001		
Monloc name:	Q 1912. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7545462
Longitude:	-73.9329153	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	400
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

23
North **FED USGS** **USGS40000831744**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404525073564001		
Monloc name:	Q 1272. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7570461
Longitude:	-73.9440267	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

24
West **FED USGS** **USGS40000831177**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404440073572401		
Monloc name:	Q 966. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7445463
Longitude:	-73.9562493	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	8.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

25
NNE **FED USGS** **USGS40000831755**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404526073561101		
Monloc name:	Q 95. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7573239
Longitude:	-73.9359709	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	92
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

26
SSW **FED USGS** **USGS40000830700**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404407073564401		
Monloc name:	K 692. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7353799
Longitude:	-73.9451379	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	88
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B27
East **FED USGS** **USGS40000831271**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404446073553501		
Monloc name:	Q 453. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.746213
Longitude:	-73.9259706	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	68.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	147
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B28
East **FED USGS** **USGS40000831231**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404444073553501		
Monloc name:	Q 425. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7456575
Longitude:	-73.9259706	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	75.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	159
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

29
NE **FED USGS** **USGS40000831669**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404520073555301		
Monloc name:	Q 1246. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7556573
Longitude:	-73.9309708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	220
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C30
East **FED USGS** **USGS40000831319**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404451073553401		
Monloc name:	Q 386. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7476019
Longitude:	-73.9256929	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	75.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	222
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

31
NNW **FED USGS** **USGS40000831796**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404529073564901		
Monloc name:	Q 165. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7581572
Longitude:	-73.9465268	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	205
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

32
ESE **FED USGS** **USGS40000831165**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404439073553401		
Monloc name:	Q 1098. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7442686
Longitude:	-73.9256929	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	72.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

33
ESE **FED USGS** **USGS40000831093**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404433073553601		
Monloc name:	Q 388. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.742602
Longitude:	-73.9262484	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	70.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	203
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C34
East **FED USGS** **USGS40000831350**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404453073553301		
Monloc name:	Q 602. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7481574
Longitude:	-73.9254151	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	159
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

35
SW **FED USGS** **USGS40000830776**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404411073570601		
Monloc name:	K 465. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7364909
Longitude:	-73.9512491	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	400
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

36
ESE **FED USGS** **USGS40000830981**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404425073553901		
Monloc name:	Q 387. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7403798
Longitude:	-73.9270818	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	64.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	176
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

37
WSW **FED USGS** **USGS40000831048**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404430073572801		
Monloc name:	Q 422. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7417686
Longitude:	-73.9573604	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	66
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

38
North **FED USGS** **USGS40000831882**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404536073562601		
Monloc name:	Q 954. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7601016
Longitude:	-73.9401377	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	12.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	301
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

39
South **FED USGS** **USGS40000830559**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404359073562801		
Monloc name:	K 711. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7331577
Longitude:	-73.9406933	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	74
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

40
ENE **FED USGS** **USGS40000831496**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404508073552901		
Monloc name:	Q 389. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.752324
Longitude:	-73.9243039	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	84
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E- FREEDOM OF INFORMATION ACT REQUESTS

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Excellence
Practical Experience
Client Responsiveness

December 3, 2013

New York State Department of Health
Attn: Record Access Officer
Corning Tower, Room 2348
Albany, NY 12237

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above property, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject property includes 27-19 through 27-27 44th Drive (Block 268, Lot 4), and 44-18 through 44-22 Purves Drive (Block 268 Lots 22 and 23) in Long Island City, New York and is bounded by 27-19 44th Drive and 44-12 through 44-16 Purves Street (Block 268, Lot 8) to the north, Purves Street to the east, 44th Drive to the west, and 27-33 44th Drive (Block 268, Lot 1) and 44-24 through 44-28 Purves Street (Block 268, Lots 24 and 25) to the south.

Please contact me at 212-479-5487 with any questions or send your response to my attention at jalzamora@langan.com or at the below address:

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

December 3, 2013

Rene Bryant
New York City Department of Health
125 Worth Street
Box 31C
New York, NY 10013

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Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Excellence
Practical Experience
Client Responsiveness

December 3, 2013

Attn: Records Access Officer
New York City Department of Environmental Protection
Bureau of Legal Affairs
59-17 Junction Boulevard, 19th Floor
Corona, New York 11368

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

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Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

December 3, 2013

Fire Department, City of New York
Bureau of Revenue Management
9 MetroTech East
Brooklyn, New York 11201-3857

Re: Freedom of Information Request
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Block 268, Lots 4, 22, and 23
Langan Project No.: 170281401

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360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering and Environmental Services, Inc. PC

Jessica Alzamora

Jessica Alzamora
Senior Staff Engineer

Request Confirmation

Request Information

Tracking Number : *EPA-R2-2014-001566*

Requester Name : Mrs. Jessica Alzamora

Date Submitted : 12/03/2013

Request Status : Submitted

Description :

The subject property includes 27-19 through 27-27 44th Drive (Block 268, Lot 4), and 44-18 through 44-22 Purves Drive (Block 268 Lots 22 and 23) in Long Island City, New York and is bounded by 27-19 44th Drive and 44-12 through 44-16 Purves Street (Block 268, Lot 8) to the north, Purves Street to the east, 44th Drive to the west, and 27-33 44th Drive (Block 268, Lot 1) and 44-24 through 44-28 Purves Street (Block 268, Lots 24 and 25) to the south.

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APPENDIX F- NEW YORK CITY DEPARTMENT OF BUILDING RECORDS

THE CITY OF NEW YORK

BUREAU OF BUILDINGS

BOROUGH OF QUEENS

No. 19225

CERTIFICATE OF OCCUPANCY

ISSUED 8/20/25 192 TO Nelson Bros of

PREMISES Nott Ave E.O. 59 & Thomson Ave

in accordance with Chapter 503, Laws of 1916 and Section 5, Art. 1, Chapter 5 of the Code of Ordinances, City of New York.

THIS CERTIFIES that the NEW BUILDING situated on the above mentioned premises has been completed and conforms substantially to the approved plans and specifications, and to the requirements of all Laws, Ordinances and Rules and Regulations of the Board of Standards and Appeals applicable thereto, and permission is hereby granted for its occupancy for the purpose specified below:

Stories	Classification	Construction
1	Garage & Factory	Brick

Floors	Occupancy	Live Load Per Sq. Ft. in Pounds	Number of Persons
Cellar			
Basement			
1st Floor	Garage & Factory		
2nd Floor			
3rd Floor			
4th Floor			
5th Floor			
6th Floor			

B. Application 16978/24 192

John Murray
Superintendent of Buildings
Borough of Queens

CERTIFICATE OF CONFORMITY

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

44-18 PURVIS STREET — **QUEENS 11101** — **BIN# 4003510**

PURVES STREET 44-18 - 44-18

Health Area	: 720	**Tax Block**	: 268
Census Tract	: 19	**Tax Lot**	: 22
Community Board	: 402	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	JACKSON AVENUE, DEAD END		
DOB Special Place Name:			
DOB Building Remarks:	NEW ADDRESS 28-23 THOMSON AVE. LTS. MERGE		
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: LIC - LONG ISLAND CITY MIXED USE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	2	0
Violations-ECB (DOB)	0	0
Jobs/Filings	1	
ARA / LAA Jobs	1	
Total Jobs	2	
Actions	28	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

27-21 44 DRIVE — **QUEENS 11101** — **BIN# 4003505**

44 DRIVE 27-21 - 27-21

Health Area	: 720	**Tax Block**	: 268
Census Tract	: 19	**Tax Lot**	: 4
Community Board	: 402	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	JACKSON AVENUE, THOMSON AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: LIC - LONG ISLAND CITY MIXED USE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: G2-GARAGE/GAS STAT'N

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	2	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	21	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX G- NEW YORK CITY PLANNING COMMISSION ZONNING MAP

ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an **R**, **C** or **M** District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

Effective Date(s) of Rezoning:

05-08-2013 C 130076 ZMM

Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas on this map, see APPENDIX F.

CITY MAP CHANGE(S):

▲ 10-12-2013 C 130007 MMM

MAP KEY

8c	9a	9c
8d	**9b**	9d
12c	13a	13c

N

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ZONING MAP **9b**

600 0 600 1200 1800 FEET

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: **www.nyc.gov/planning** or contact the Zoning Information Desk at (212) 720-3291.

APPENDIX H- AERIAL PHOTOGRAPHS

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.5
December 02, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography December 02, 2013

Target Property:

44-18 Purves Street

Long Island City, NY 11101

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1924	EDR
1941	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1941	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1984	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1994	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/DOQQ - acquisition dates: March 13, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2011	EDR

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YEAR: 1924
= 500'
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EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1941
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1954
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 1966
= 500'
N
EDR Environmental Data Resources Inc

4-1-75
INQUIRY #: 3798265.5
YEAR: 1975
= 500'
N

INQUIRY #: 3798265.5
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INQUIRY #: 3798265.5
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= 500'
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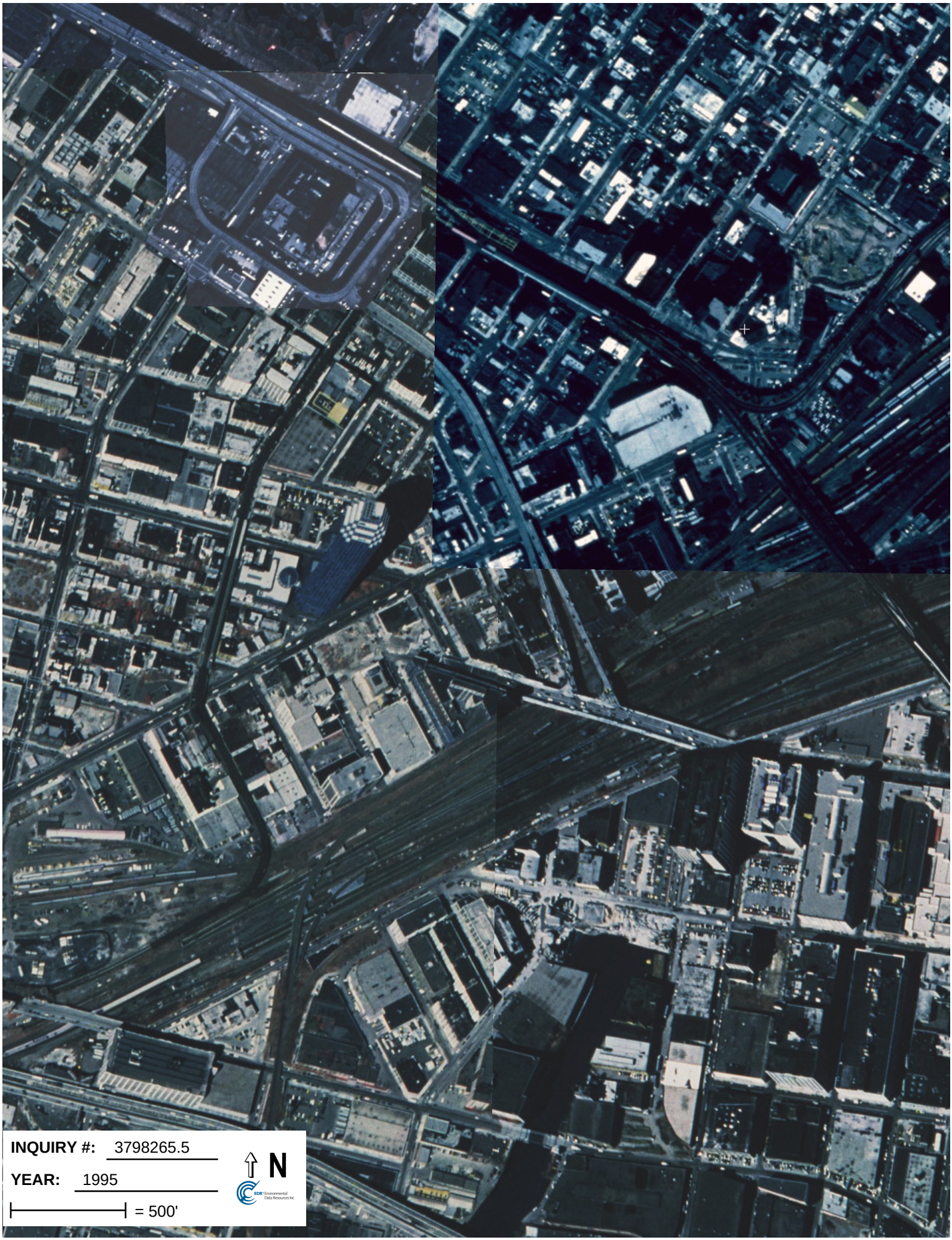
EDR Environmental Data Resources Inc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YEAR: 2006

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INQUIRY #: 3798265.5

YEAR: 2008

= 500'

N

EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 2009
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3798265.5
YEAR: 2011
= 500'
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EDR Environmental Data Resources Inc

APPENDIX I- SANBORN FIRE INSURANCE MAPS

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.3
December 02, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/13

Site Name:
27-21 44th Drive and 44-18
44-18 Purves Street
Long Island City, NY 11101

Client Name:
Langan Engineering, Inc.
360 W. 31st Street
New York, NY 10001

EDR Inquiry # 3798265.3

Contact: Jessica Alzamora

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Langan Engineering, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 27-21 44th Drive and 44-18 Purves Street
Address: 44-18 Purves Street
City, State, Zip: Long Island City, NY 11101
Cross Street:
P.O. # 170281401
Project: 27-21 44th Drive
Certification # D3A8-4CA6-9D89

Maps Provided:

2006	1999	1991	1980	1936
2005	1996	1990	1979	1915
2004	1995	1989	1977	1898
2003	1994	1988	1970	
2002	1993	1986	1950	
2001	1992	1985	1947	

Sanborn® Library search results
Certification # D3A8-4CA6-9D89

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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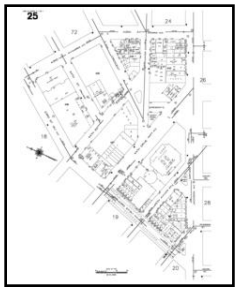

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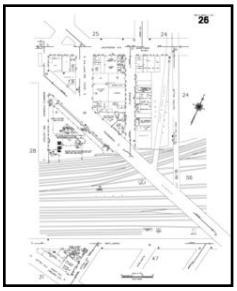

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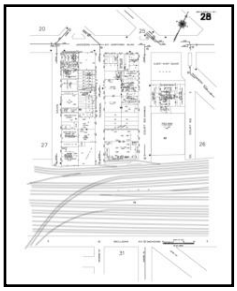

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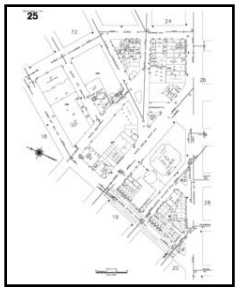

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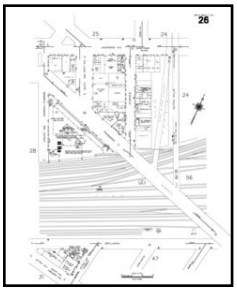

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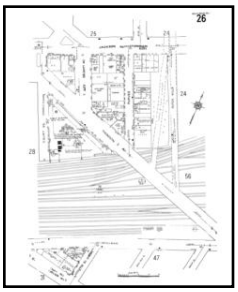

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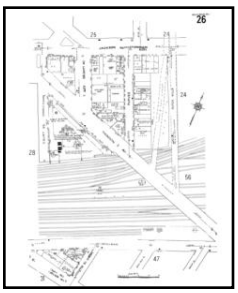

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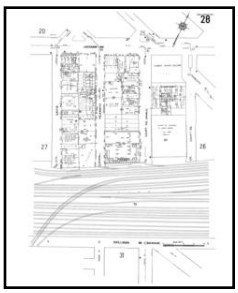

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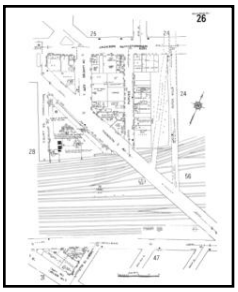

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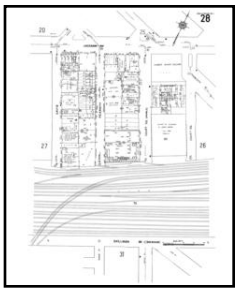

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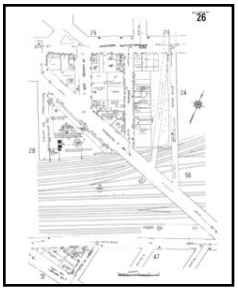

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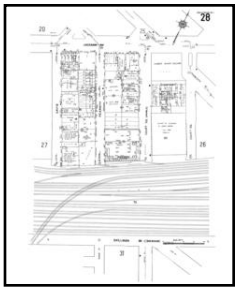

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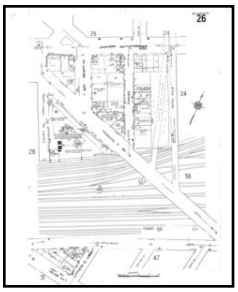

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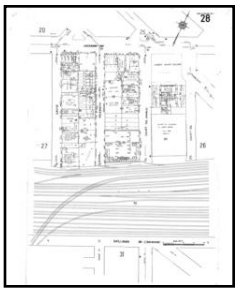

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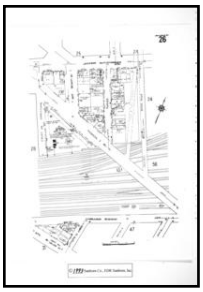

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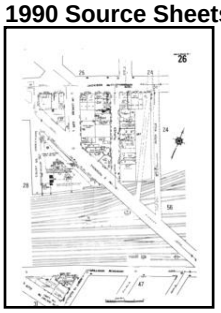

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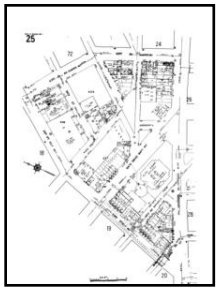

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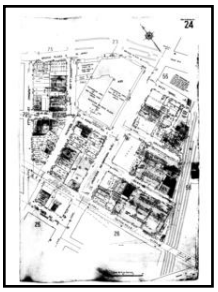

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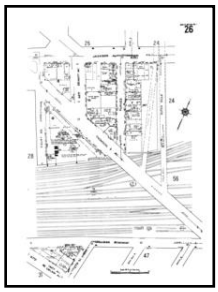

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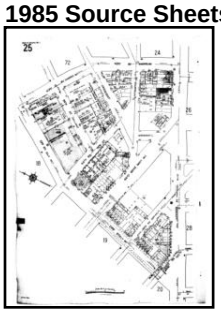

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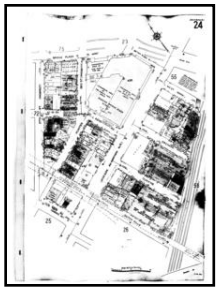

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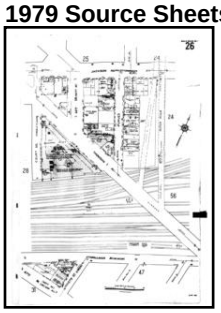

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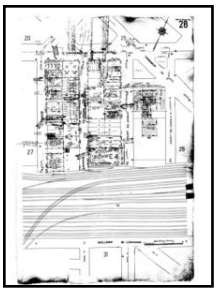

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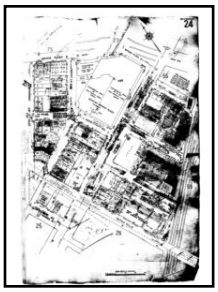

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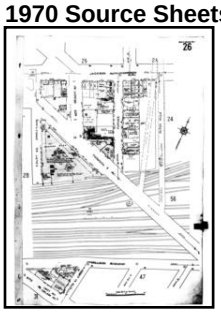
1970 Source Sheets



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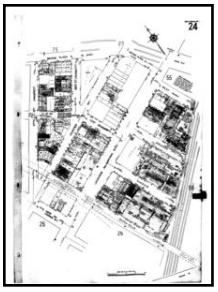

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1950 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

Volume 1, Sheet 26

1947 Source Sheets

Volume 1, Sheet 24

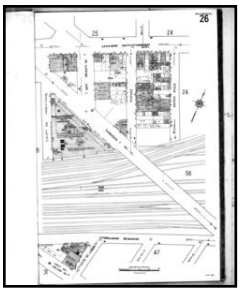
Volume 1, Sheet 25

Volume 1, Sheet 26

1936 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25



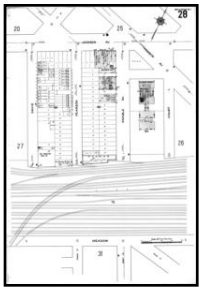
Volume 1, Sheet 26

1915 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

Volume 1, Sheet 26



Volume 1, Sheet 28

1898 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

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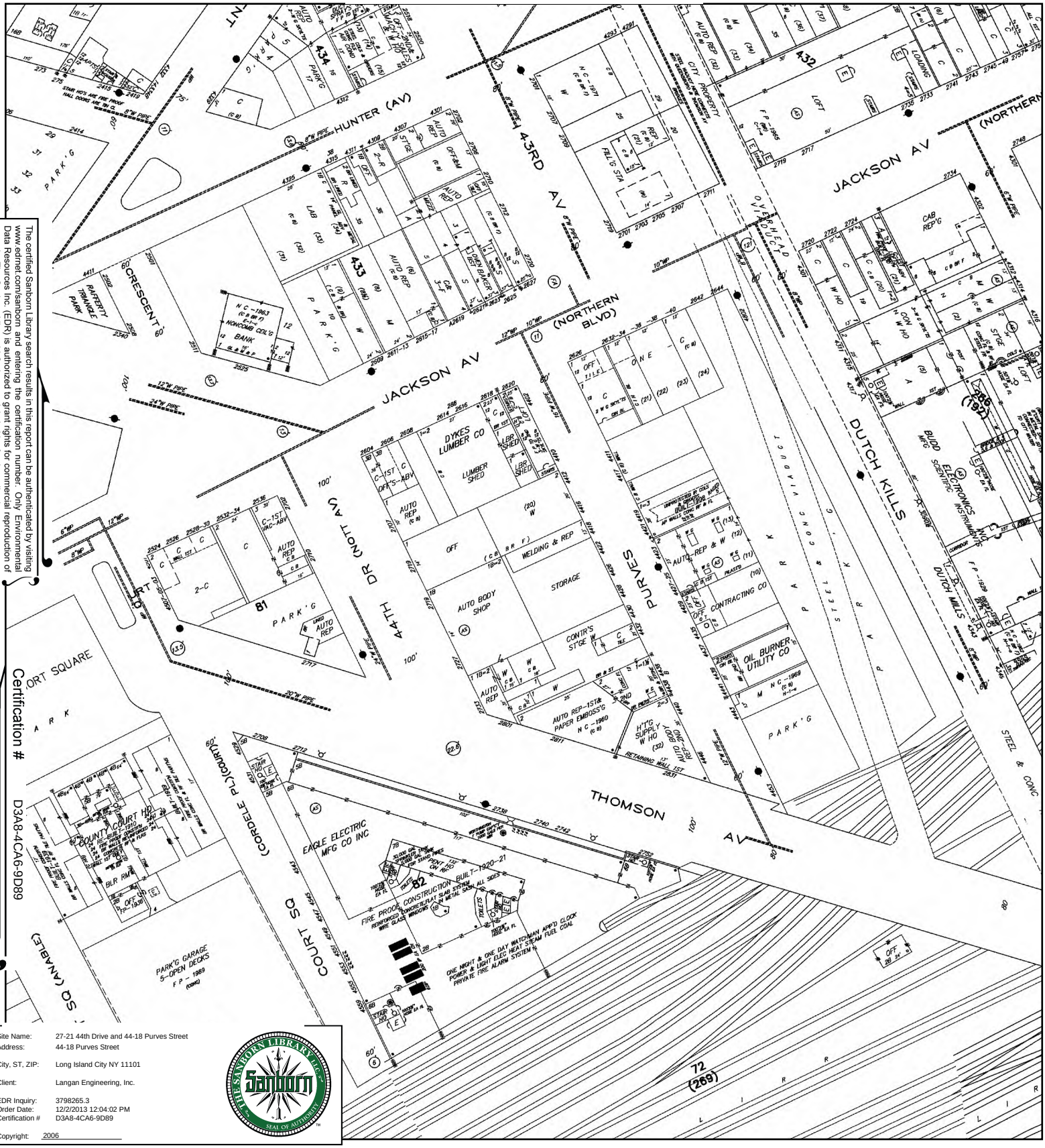
2006 Certified Sanborn Map



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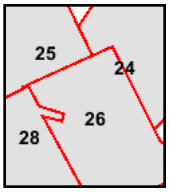

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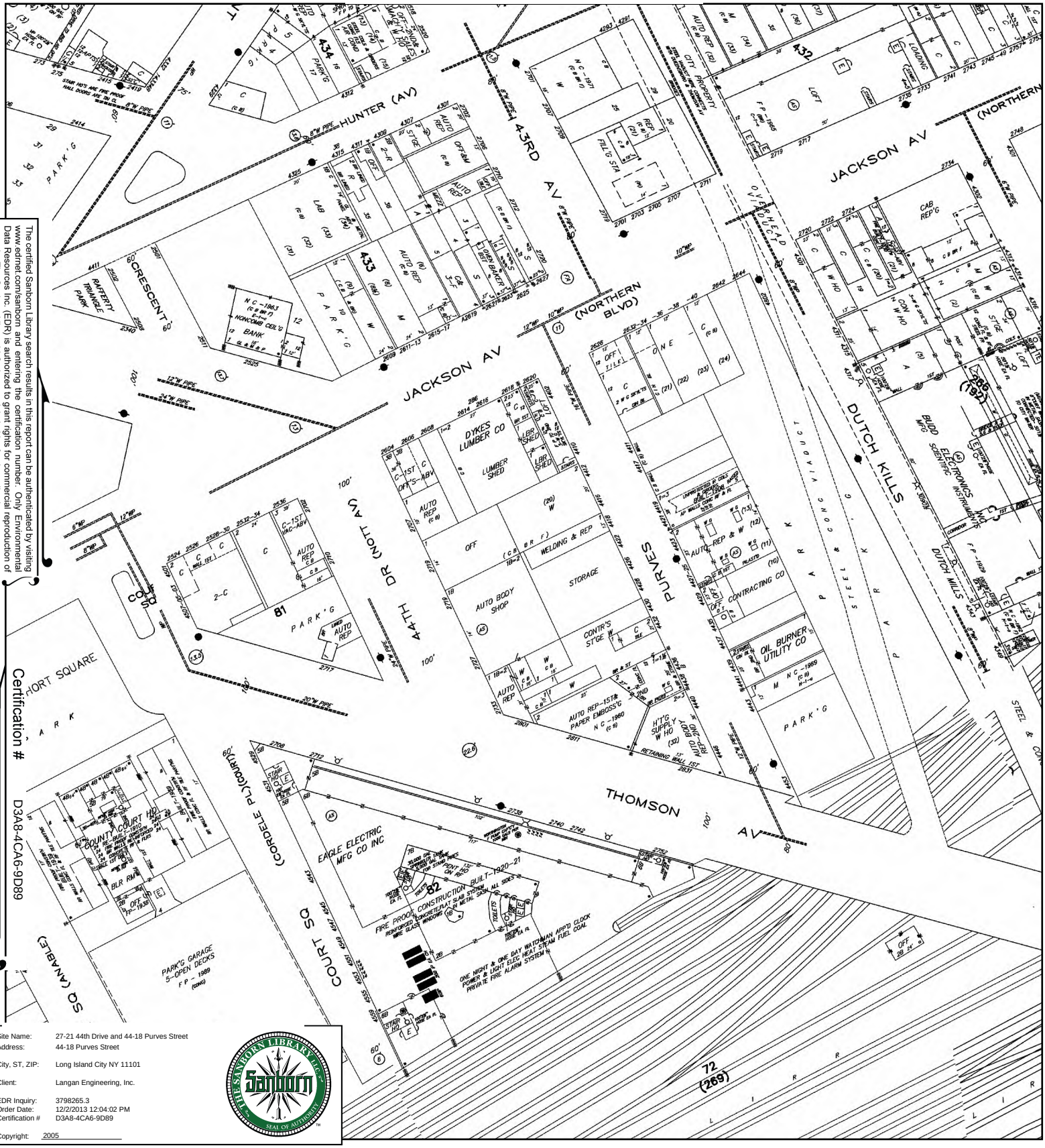
0 Feet 150 300 600

N

2005 Certified Sanborn Map



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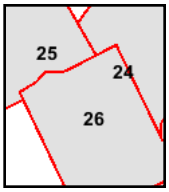

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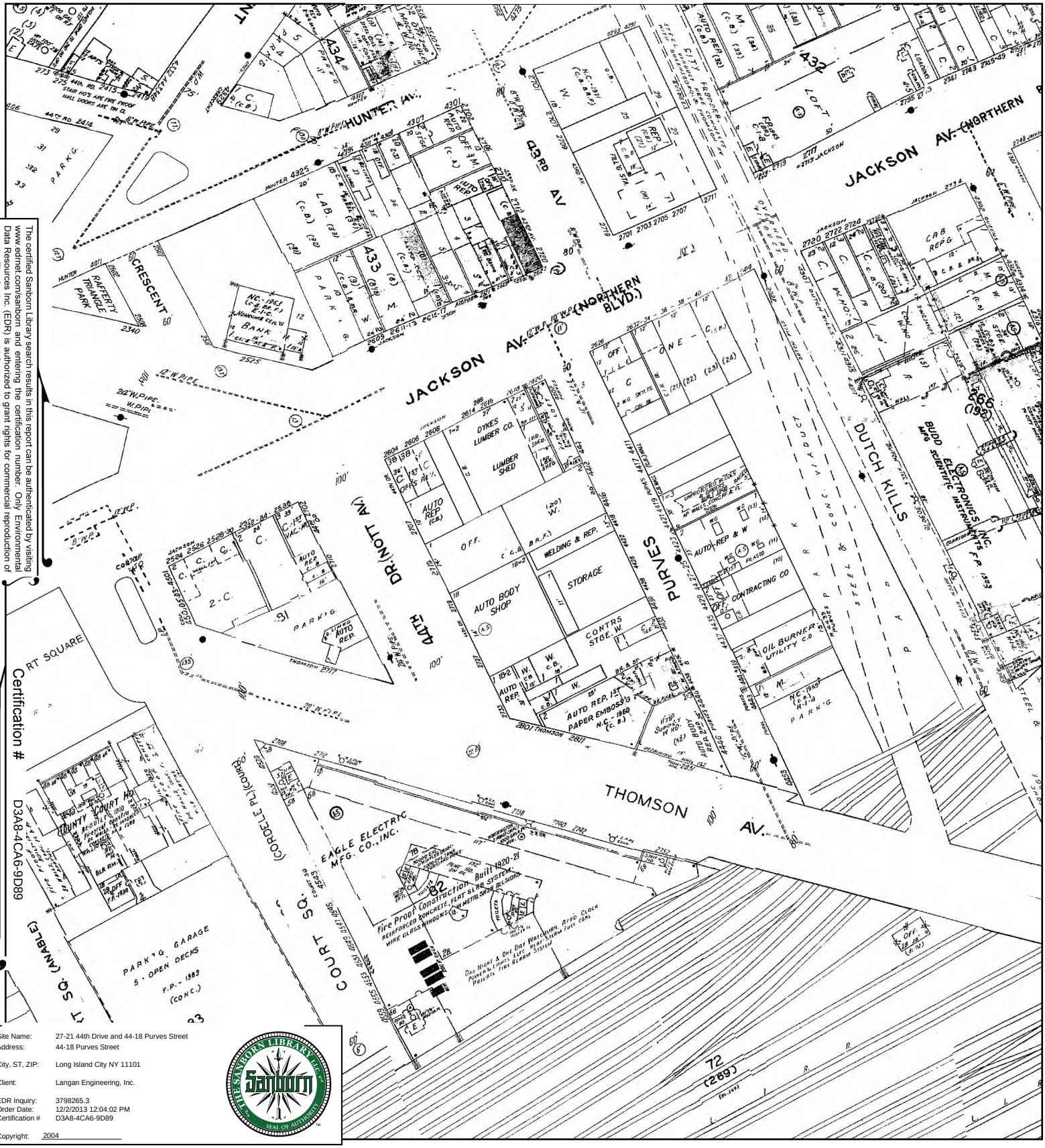
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JACKSON AV. (NORTHERN BLVD.)
HUNTER AV.
CRESCENT
RAFFERTY TRIANGLE PARK
43RD AV
DRAKE
DRAKE
DRAKE

2003 Certified Sanborn Map

JACKSON AV.
HUNTER (AV.)
CRESCENT
RAFFERTY TRIANGLE PARK
JACKSON AV. (NORTHERN BLVD.)
DR. NOTT AV.
PURVES
DUTCH KILLS
THOMSON AV.
COURT SQ.
(CABLE)
(CORDELE PL.)
SHORT SQUARE
DYKES LUMBER CO.
LUMBER SHED
AUTO BODY SHOP
WELDING & REP.
STORAGE
AUTO REP. & W
CONTRACTING CO
OIL BURNER UTILITY CO
BUDD MFG. SCIENTIFIC ELECTRONICS INSTRUMENTS
EAGLE ELECTRIC MFG. CO., INC.
COUNTY COURT HO.
PARK'G GARAGE
5 - OPEN DECKS
F.P. - 1909
(CONC.)
Fire Proof Construction Built 1920-21
REINFORCED CONCRETE, FLAT SLAB SYSTEM
WIRE GLASS WINDOWS
PARK'G.
LOFT
BANK
LAB.
AUTO REP.
OFF.
STORE
2 - C.
1 - C.
ONE - C
CAB REP.
AUTO REP. PAPER EMBOSSING
N.C.-1960
N.C.-1963
N.C.-1971
N.C.-1968
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N.C.-2011

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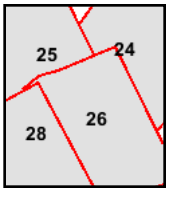

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0 Feet 150 300 600

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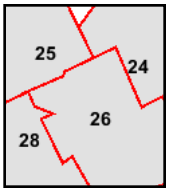

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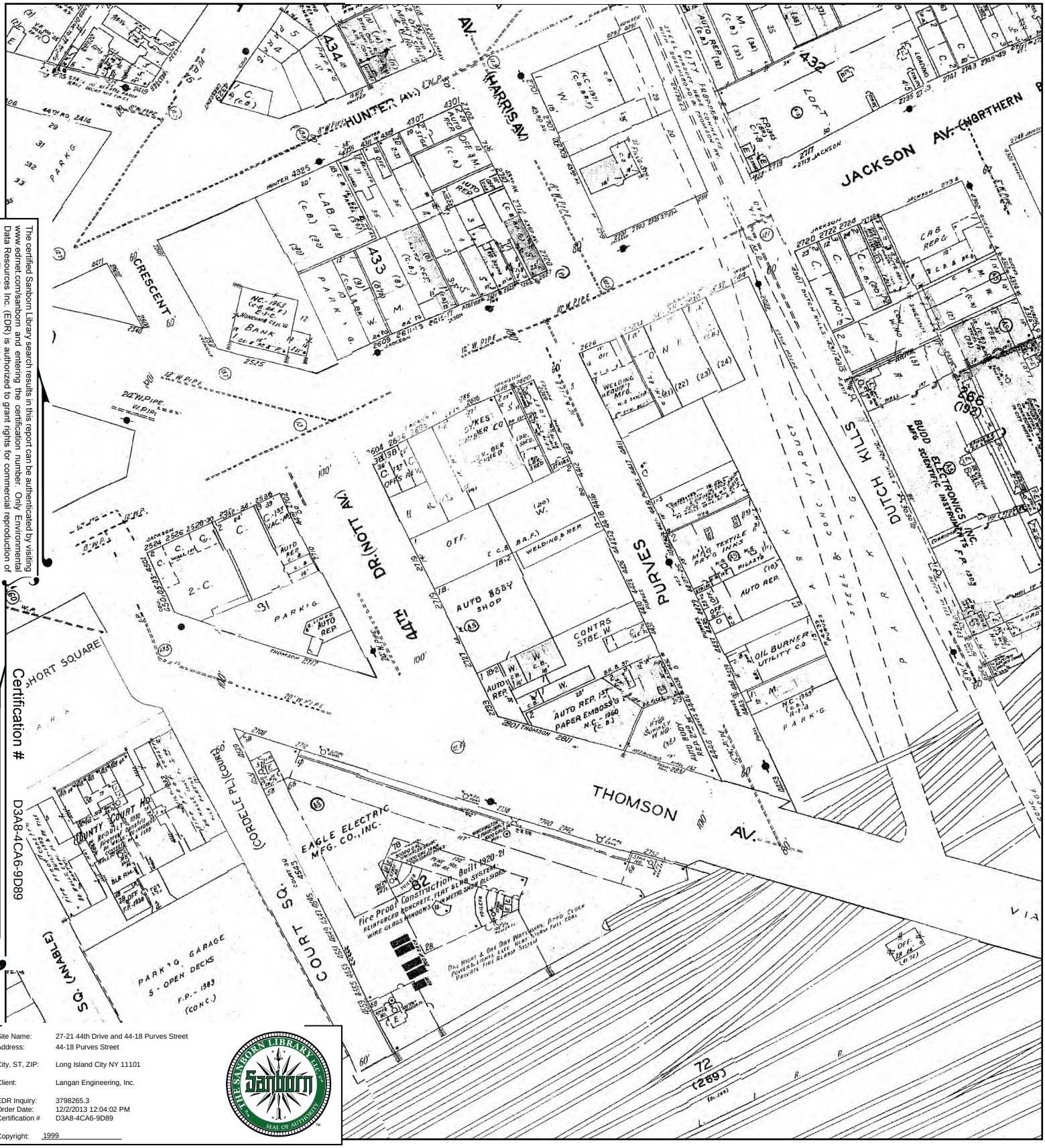
0 Feet 150 300 600

N

1999 Certified Sanborn Map



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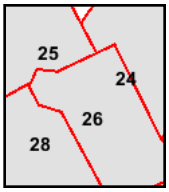

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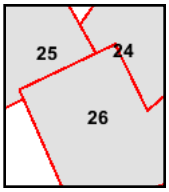

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1995 Certified Sanborn Map

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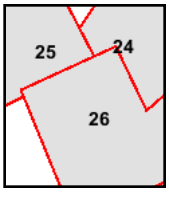

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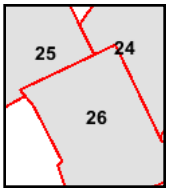

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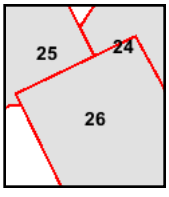

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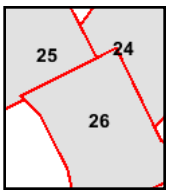

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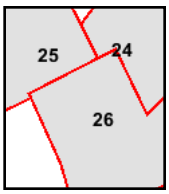

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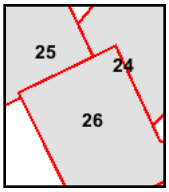

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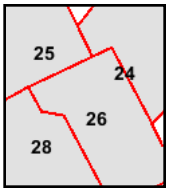

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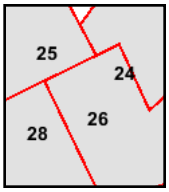

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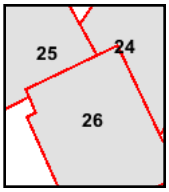

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Certification # D3A8-4CA6-9D89

Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1980

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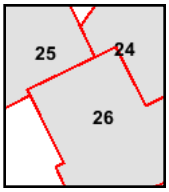

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Volume 1, Sheet 25
Volume 1, Sheet 26

0 Feet 150 300 600

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Client:	Langan Engineering, Inc.
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Certification #	D3A8-4CA6-9D89
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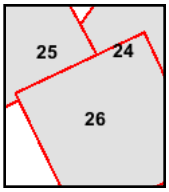

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Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1977

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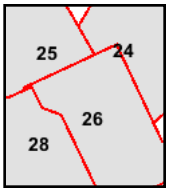

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Volume 1, Sheet 24

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1970 Certified Sanborn Map

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Site Name:	27-21 44th Drive and 44-18 Purves Street
Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1970

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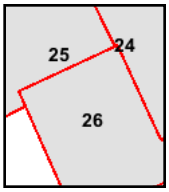

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Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
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Copyright:	1950

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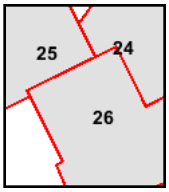

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1947 Certified Sanborn Map

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Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1947

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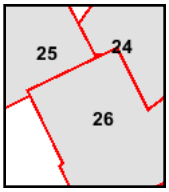

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Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
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Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1936

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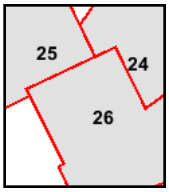

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Address:	44-18 Purves Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1915

This Certified Sanborn Map combines the following sheets.
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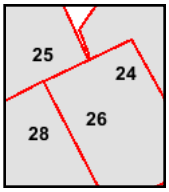

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0 Feet 150 300 600

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1898 Certified Sanborn Map

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Client:	Langan Engineering, Inc.
EDR Inquiry:	3798265.3
Order Date:	12/2/2013 12:04:02 PM
Certification #	D3A8-4CA6-9D89
Copyright:	1898

This Certified Sanborn Map combines the following sheets.
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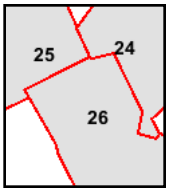

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N

APPENDIX J- HISTORICAL USGS TOPOGRAPHIC QUADRANGLE MAPS SUMMARY

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.4
December 02, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

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Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map

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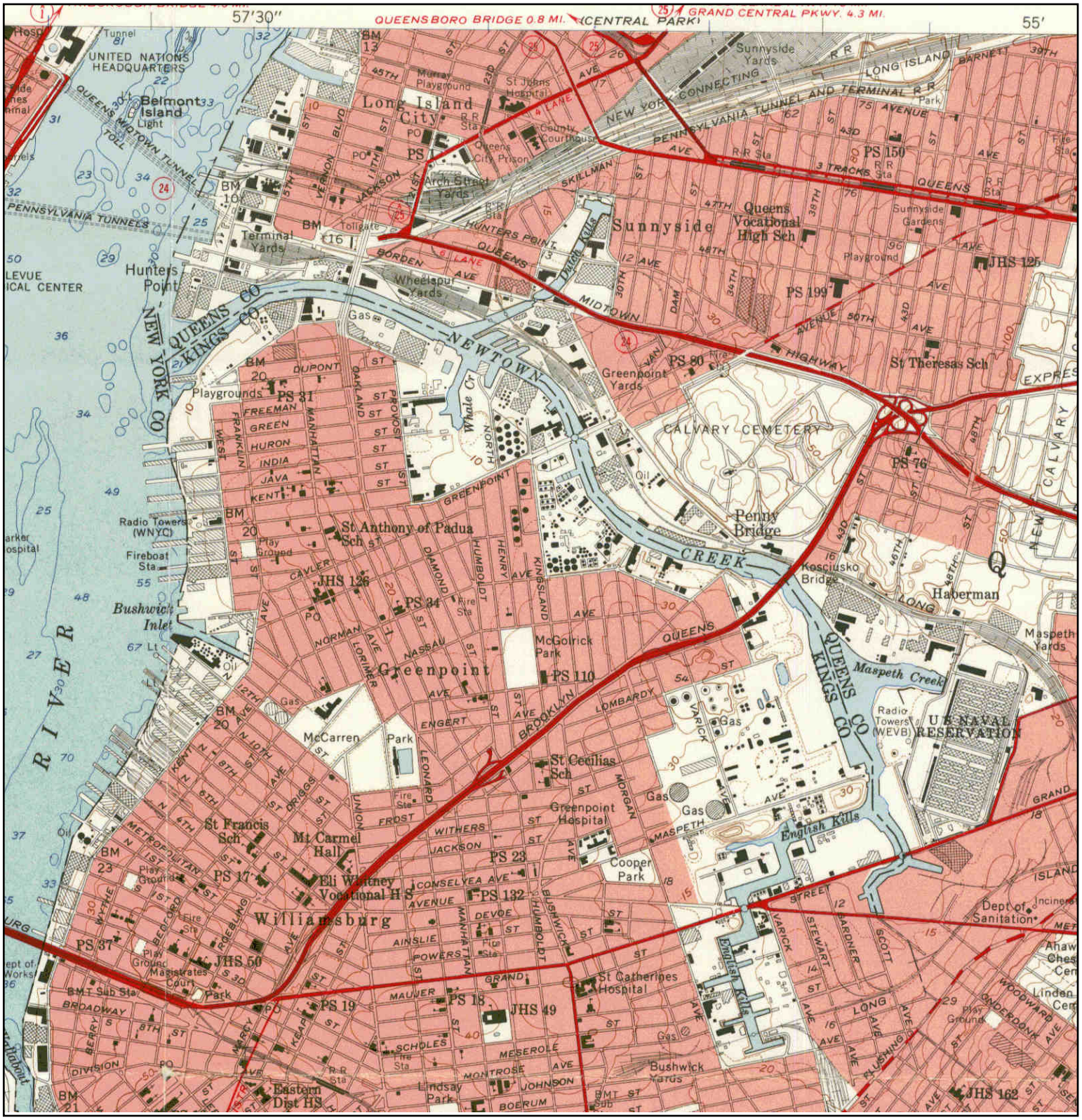
Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: 27-21 44th Drive and 44-18 Purves Street ADDRESS: 44-18 Purves Street Long Island City, NY 11101 LAT/LONG: 40.7467 / -73.9415	CLIENT: Langan Engineering, Inc. CONTACT: Jessica Alzamora INQUIRY#: 3798265.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



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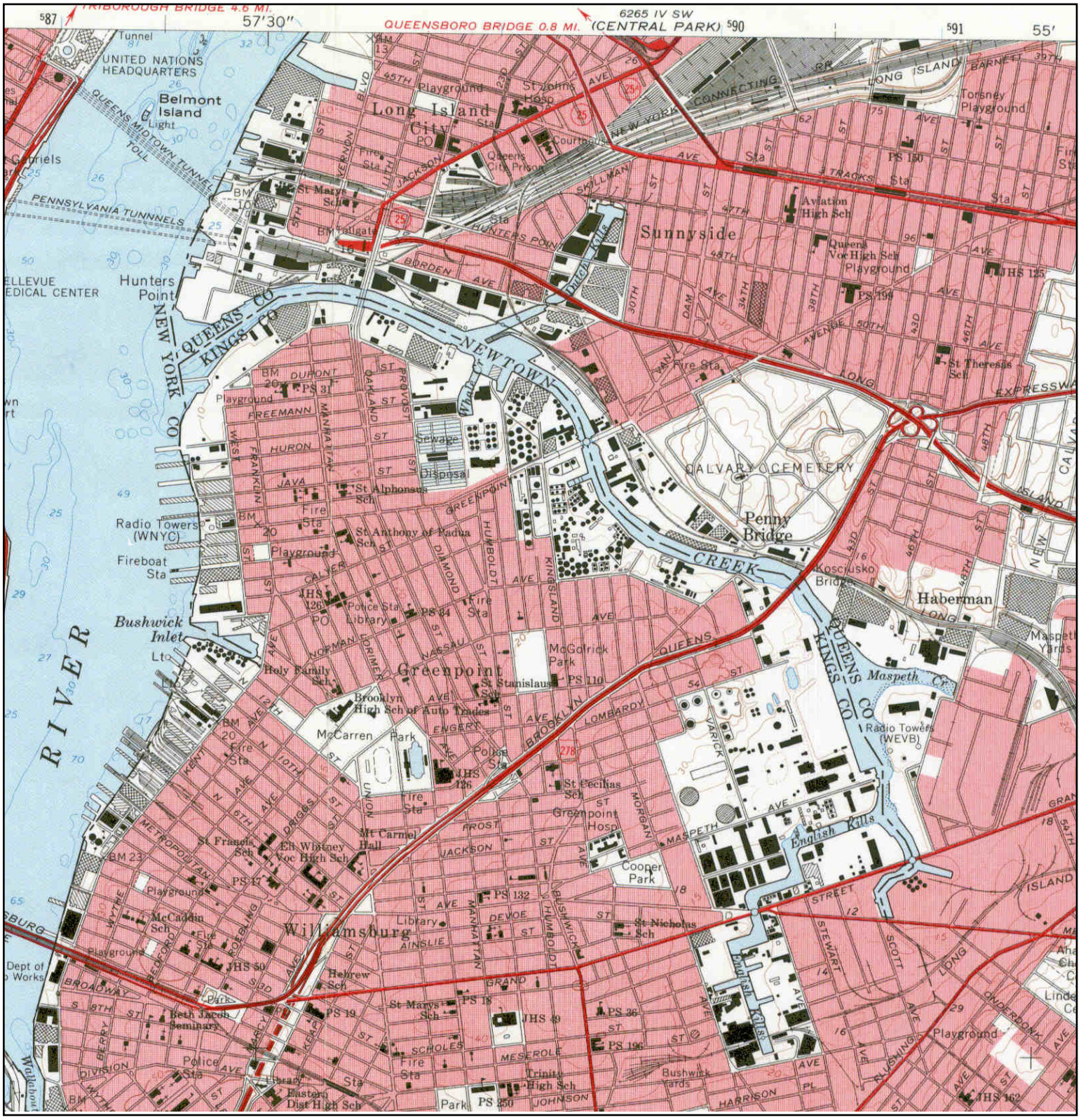

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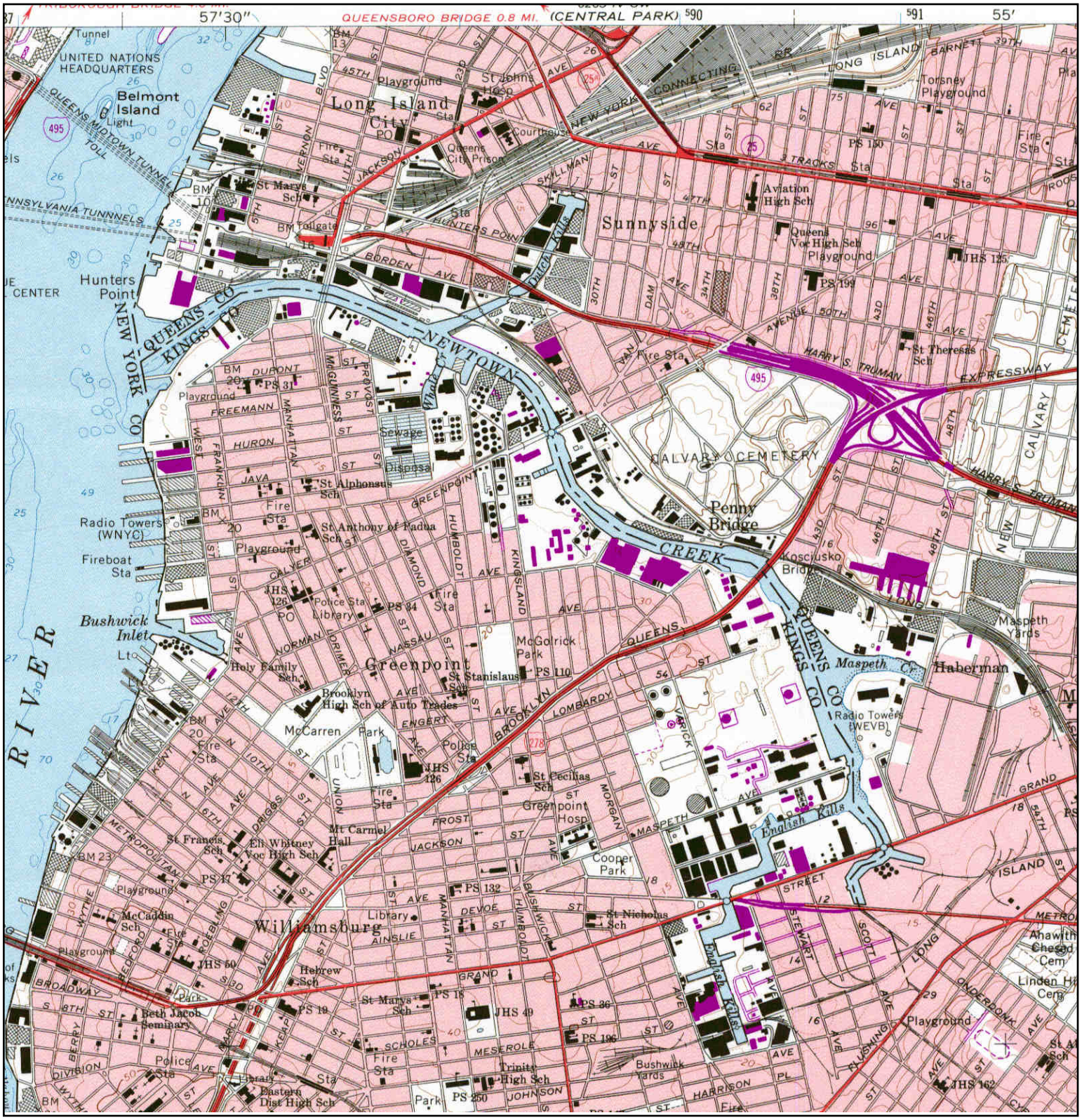
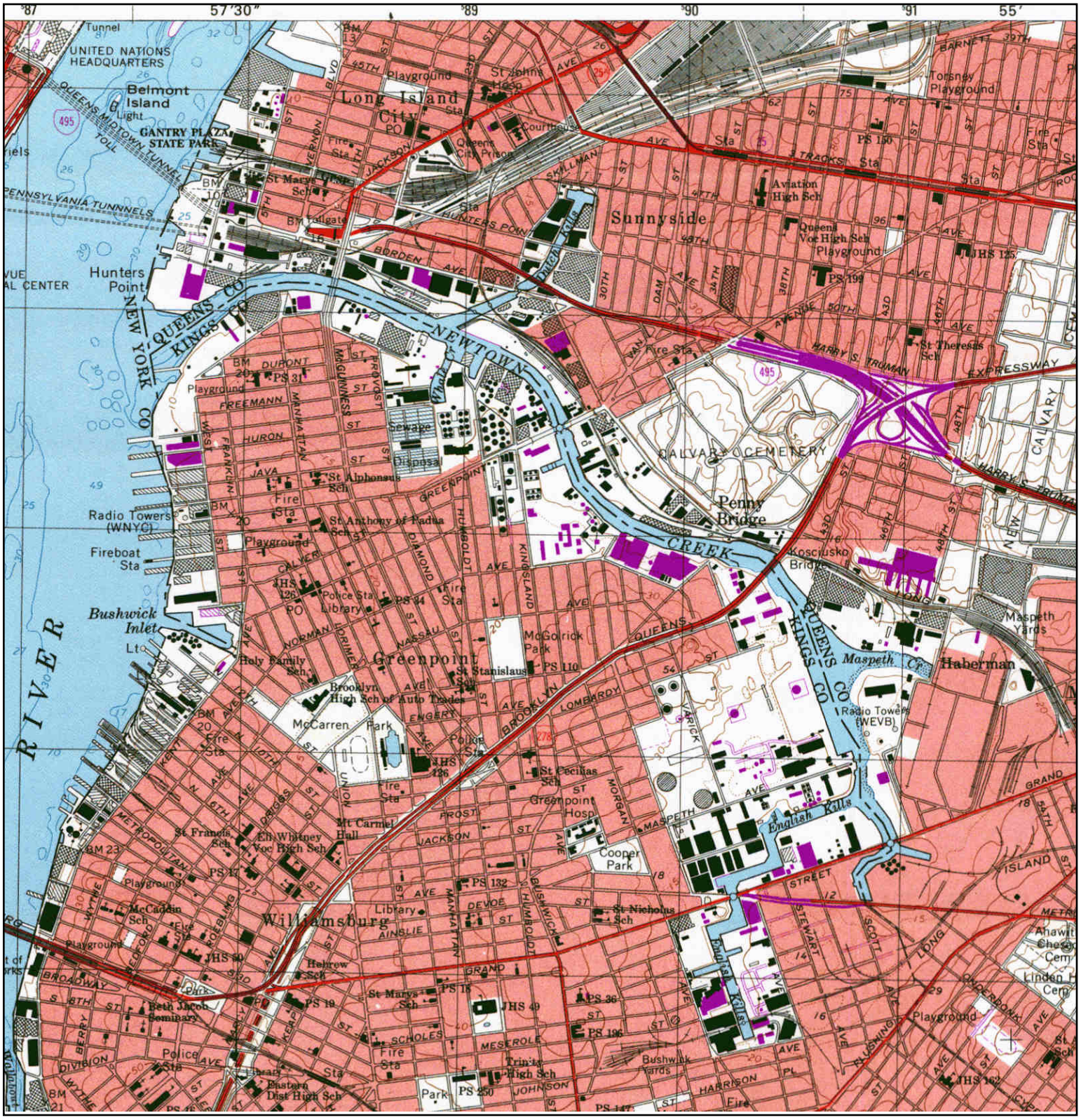

57'30"
QUEENSBORO BRIDGE 0.8 MI.
(CENTRAL PARK)
590
591
55'
UNITED NATIONS HEADQUARTERS
Belmont Island
Long Island City
Sunnyside
Hunters Point
Greenpoint
Williamsburg
Bushwick Inlet
RIVER
NEWTOWN CREEK
Penny Bridge
Kosciusko Bridge
CALVARY CEMETERY
McGolrick Park
McCarren Park
Cooper Park
Greenpoint Hosp
St Johns Hosp
Queens City Prison
Courthouse
Aviation High Sch
Queens Voc High Sch
Torsney Playground
Maspeth
Maspeth Yards
Haberman
Bushwick Yards
Eli Whitney Voc High Sch
Brooklyn High Sch of Auto Trades
Trinity High Sch
Eastern Dist High Sch
Mt Carmel Hall
Hebrew Sch
Beth Jacob Seminary
Ahawith Chesed Cem
Linden Hill Cem
QUEENS CO
KINGS CO
NEW YORK CO
QUEENSBORO BRIDGE
QUEENS MIDTOWN TUNNEL TOLL
PENNSYLVANIA TUNNELS
HARRY S. TRUMAN EXPRESSWAY
LONG ISLAND RR
CONNECTING
Radio Towers (WNYC)
Radio Tower (WEVB)
Fireboat Sta
Tunnel
Light
Playground
Fire Sta
Police Sta
Library
Sewage Disposal
PS 31
PS 34
PS 110
PS 150
PS 194
PS 132
PS 17
PS 19
PS 18
PS 36
PS 196
PS 250
JHS 126
JHS 50
JHS 49
JHS 125
JHS 162
St Alphonsus Sch
St Anthony of Padua Sch
St Cecilias Sch
St Francis Sch
St Marys Sch
St Nicholas Sch
St Stanislaus
St Theresas Sch
McCaddin Sch
Holy Family Sch
Public Library
Police Station
Fire Station
Playground
Park
Cemetery
Sta
BM 10
BM 13
BM 20
BM 23
Tollgate
Ditch
Creek
English Kills
Newtown Creek
Dutch Kills
Bushwick Inlet
Lt
Lt
Lt

Historical Topographic Map



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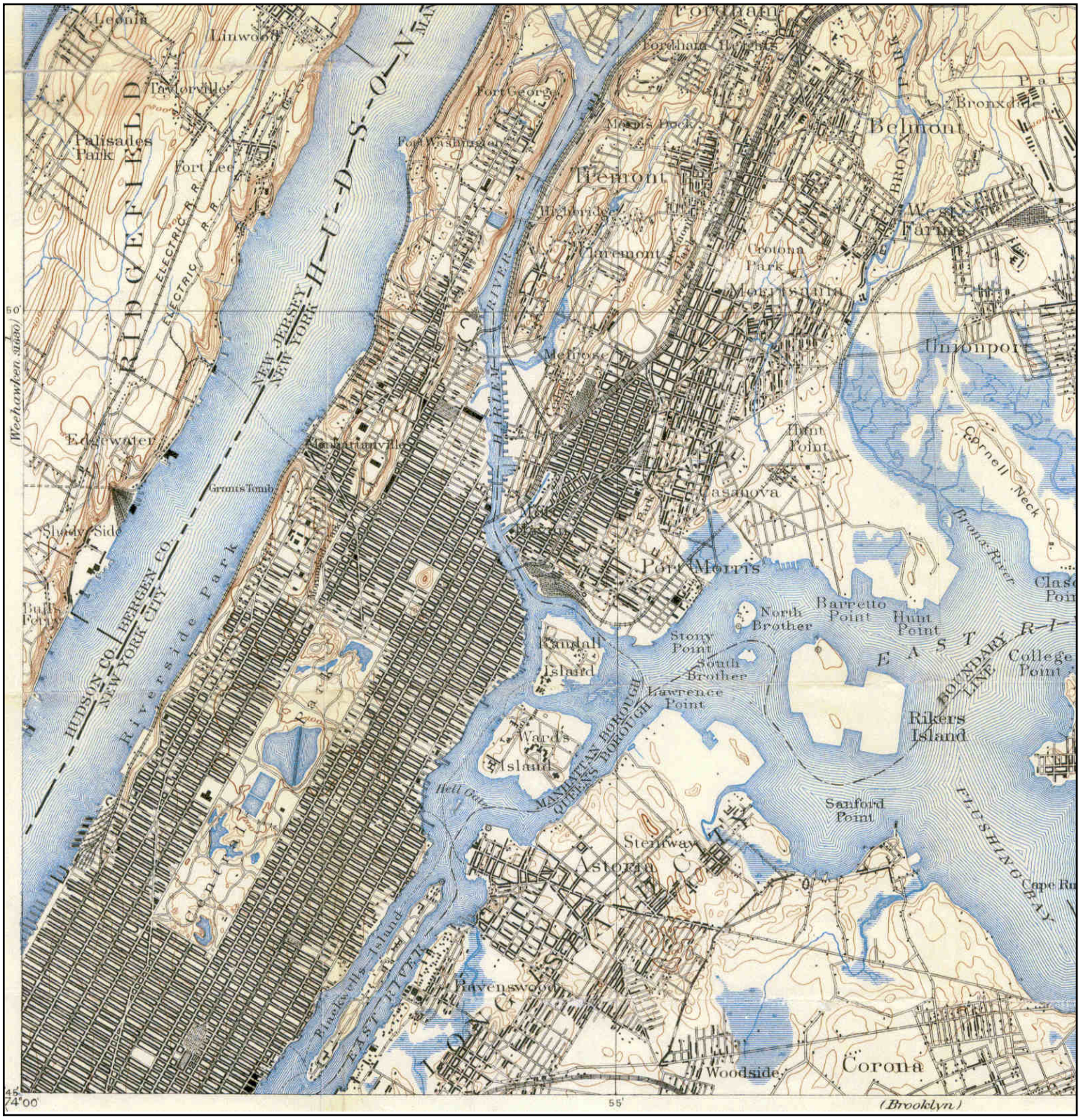

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Historical Topographic Map

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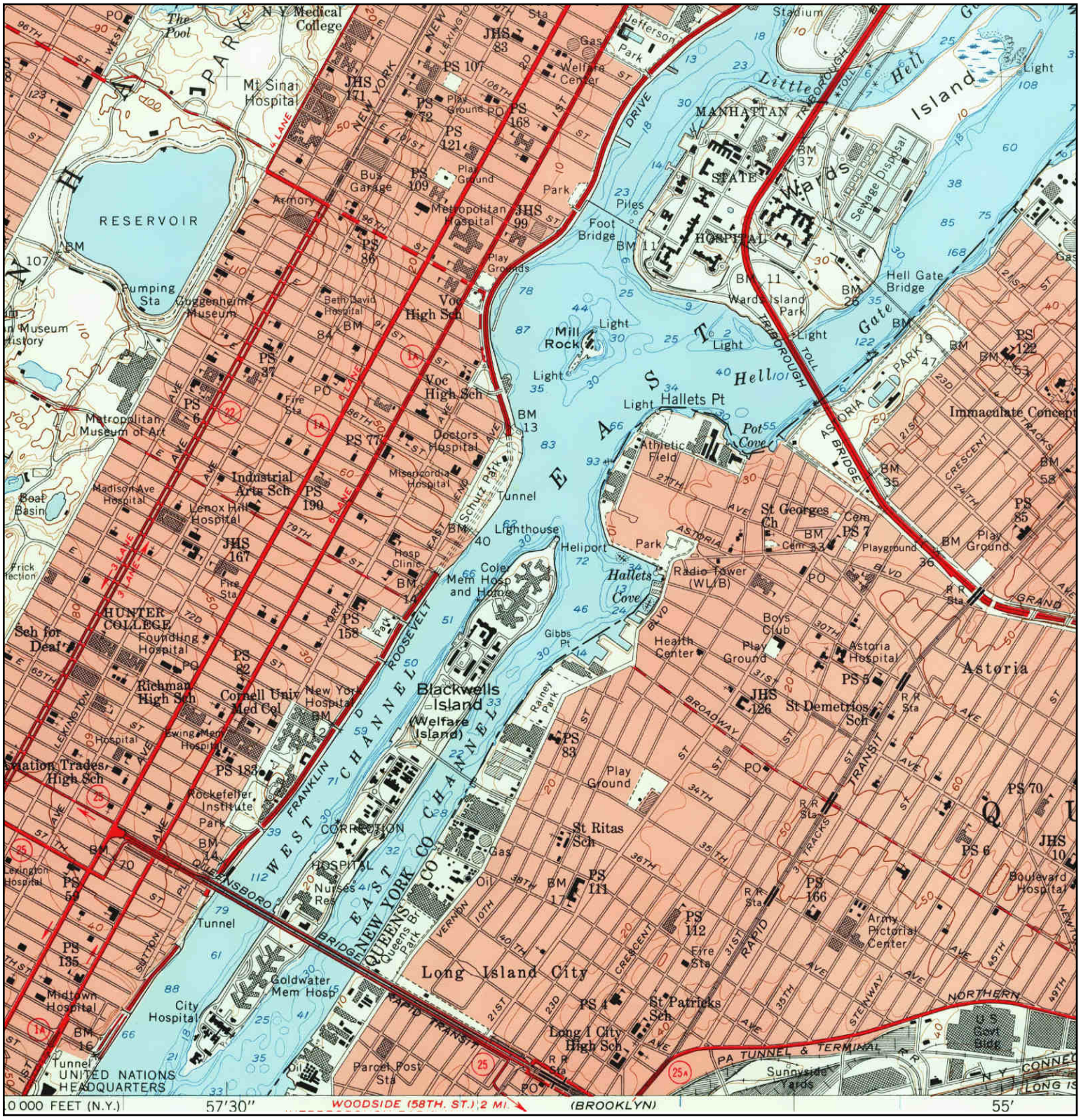

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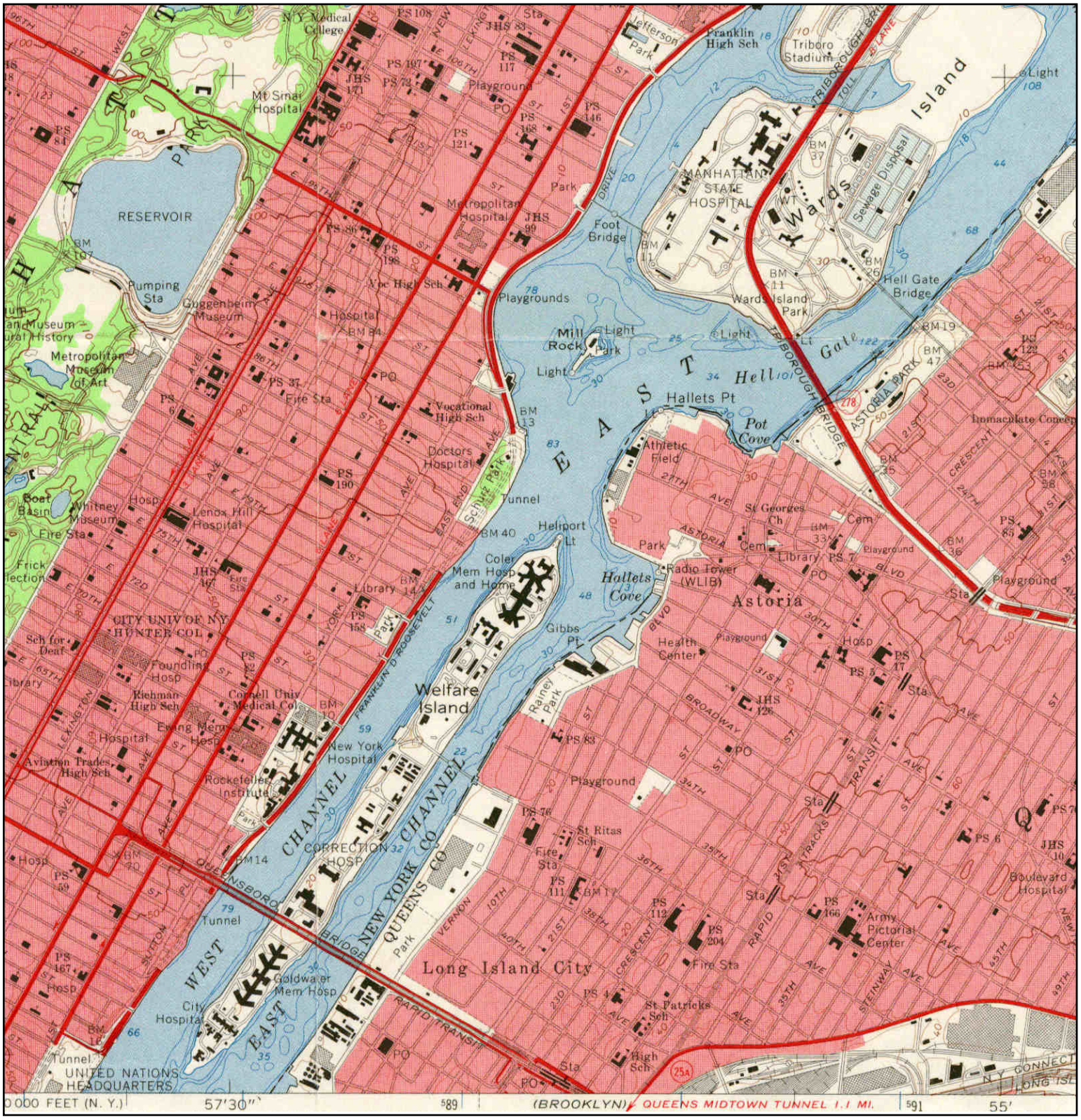

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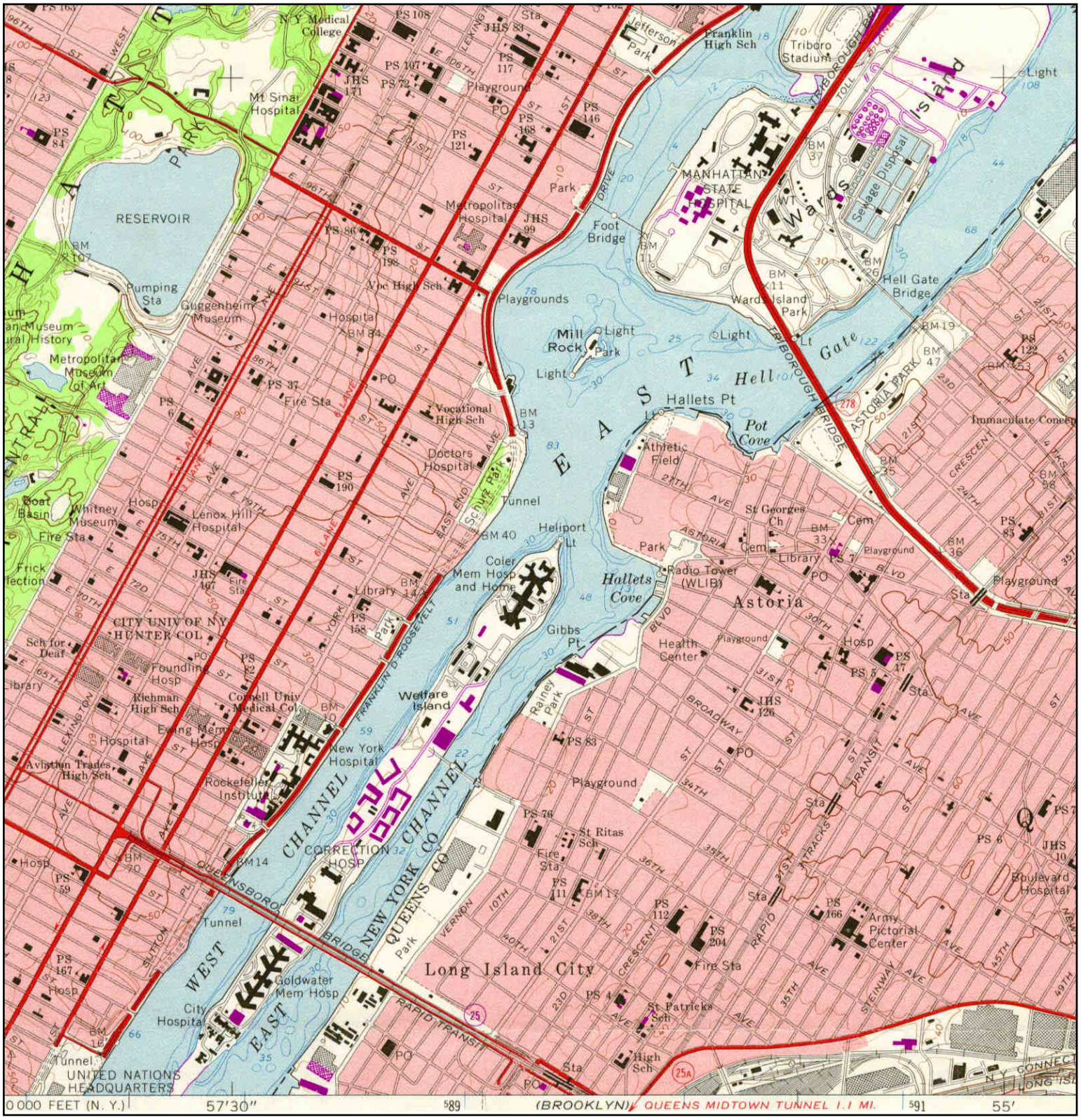

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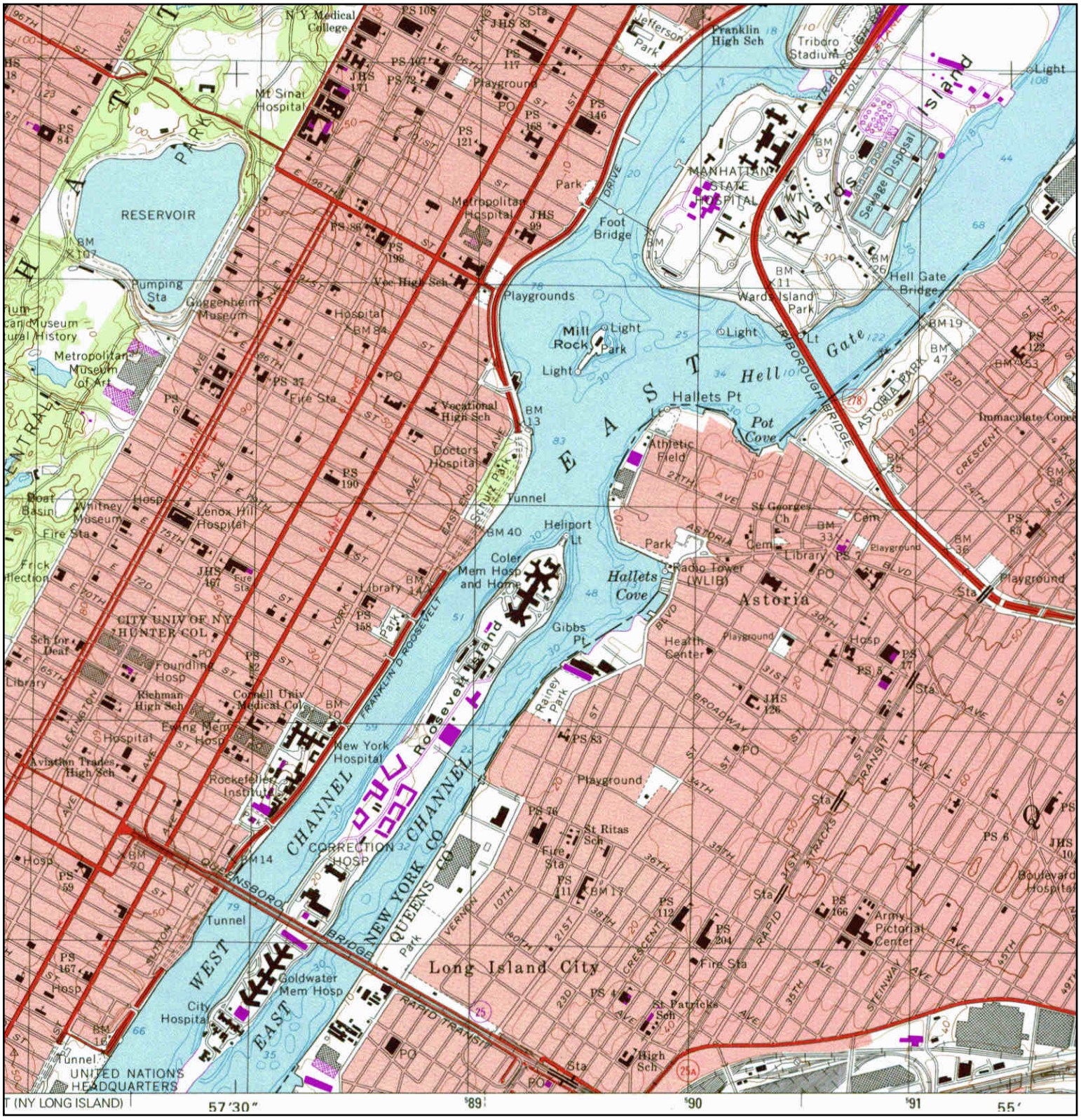

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APPENDIX K- CITY DIRECTORY ABSTRACT

27-21 44th Drive and 44-18 Purves Street
4418 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.6
December 04, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
1996	NYNEX	-	-	-	-
1991	NYNEX Information Resource Company	-	X	X	-
1983	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1967	New York Telephone	-	X	X	-
1962	New York Telephone Directory	-	X	X	-
1950	New York Telephone	-	-	-	-
1945	New York Telephone	-	X	X	-
1939	New York Telephone Company	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
1922	The Metropolitan Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2719 44th Drive	Client Entered	X
2721 44th Drive	Client Entered	X
2723 44th Drive	Client Entered	X
2725 44th Drive	Client Entered	
2727 44th Drive	Client Entered	
4422 Purves Street	Client Entered	X
2733 44th Drive	Client Entered	
2717 Thompson Ave	Client Entered	
4424 Purves Street	Client Entered	X
4426 Purves Street	Client Entered	X
4428 Purves Street	Client Entered	X
4417 Purves Street	Client Entered	X
4419 Purves Street	Client Entered	X
4421 Purves Street	Client Entered	X
4412 Purves Street	Client Entered	X
4414 Purves Street	Client Entered	X
4416 Purves Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

4418 Purves Street
Long Island City, NY 11101

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

44TH DR

2719 44TH DR

Year	Uses	Source
2013	NASTASI RACING CAR CORP	Cole Information Services
	QUEENS PLAZA	Cole Information Services
2008	NAS INTERNATIONAL INC	Cole Information Services

2723 44TH DR

Year	Uses	Source
2013	NORTHEASTERN AUTO REPAIR INC	Cole Information Services
2008	NORTHEASTERN AUTO REPAIR INC	Cole Information Services

44th Drive

2719 44th Drive

Year	Uses	Source
2005	Nastasi Racing Car Corp	Hill-Donnelly Information Services
2000	Nastasi Racg Car	Cole Information Services

2721 44th Drive

Year	Uses	Source
1967	Wm Berg Inc	New York Telephone
1962	Jackson Cabinet Corp	New York Telephone Directory
	Berg Rent A Car Svce	New York Telephone Directory
	Berg Truck Rentl Co Inc	New York Telephone Directory
	Berg Trucking Co	New York Telephone Directory
1945	Packaging div	New York Telephone
1939	Ideal Garage	New York Telephone Company

2723 44th Drive

Year	Uses	Source
2000	NE Auto Repair Inc	Cole Information Services
1983	Alvic Foreign Auto Repr	New York Telephone
1970	Tul Mor Auto Service Inc	New York Telephone
	Tul Mor Auto Svce Inc	New York Telephone

FINDINGS

Year	Uses	Source
1962	Berg Rent A Car Svce	New York Telephone Directory
	Berg Truck Rental Co Inc	New York Telephone Directory

PURVES ST

4412 PURVES ST

Year	Uses	Source
2013	PURVES AUTOMOBILE REPAIR	Cole Information Services
	NONE JAROSLAW	Cole Information Services
	RICAMBI SPORT	Cole Information Services
2008	BARKO AUTOMOTIVE	Cole Information Services
	GUTMANN NORTH AMERICA CORP	Cole Information Services

4416 PURVES ST

Year	Uses	Source
2008	SP PERFORMANCE INTERNATIONAL INC	Cole Information Services

4419 PURVES ST

Year	Uses	Source
2013	SCULPTURE CENTER INC	Cole Information Services
2008	SCULPTURE CENTER INC	Cole Information Services

4426 PURVES ST

Year	Uses	Source
2008	RICAMBI SPORT	Cole Information Services

Purves Street

4412 Purves Street

Year	Uses	Source
2005	Barko Automotive 1 R	Hill-Donnelly Information Services
	S 5 P Performance Intl Inc	Hill-Donnelly Information Services
1939	Ellis Wm A auto sprngs	New York Telephone Company

4414 Purves Street

Year	Uses	Source
1934	Simms Arth truck driver	R. L. Polk & Co.
	Armour Walter Mattie lab	R. L. Polk & Co.
	Smith Herman rigger	R. L. Polk & Co.
	Gonzalez Rais film fcty	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Martin Daisy drss opr	R. L. Polk & Co.

4416 Purves Street

Year	Uses	Source
1991	Gimme Seltzer Manhattan	NYNEX Information Resource Company
1983	Leber Katz b	New York Telephone
1934	Christian Oliver Lillian porter	R. L. Polk & Co.
	Christian Sonny Bertha musician	R. L. Polk & Co.
	Yates John Delia	R. L. Polk & Co.

4417 Purves Street

Year	Uses	Source
1976	Consolidated Concrete Cutting Corp	New York Telephone
1970	Expert Concrete Breakers Inc	New York Telephone
	Consolidated Concrete Cuting Corp	New York Telephone
1967	Expert Concrete Breakers Inc	New York Telephone
1962	Expert Concrete Breakers Inc	New York Telephone Directory
1945	Expert Concrete Breakers Inc	New York Telephone

4419 Purves Street

Year	Uses	Source
2005	Global Instalation Corp	Hill-Donnelly Information Services
2000	Globe Gates	Cole Information Services
	Glob Gates Inc	Cole Information Services
1991	GLOBE GATES INC	NYNEX Information Resource Company
	GLOBE GATES	NYNEX Information Resource Company
1983	European Gates Co	New York Telephone
1970	Concrete Breaking Co	New York Telephone
	HOWNOR ASSOCS INC	New York Telephone
1967	Hownor Assocs Inc	New York Telephone
	Concrete Breaking Co	New York Telephone
1945	Factory	New York Telephone
	Getomer Equip Co	New York Telephone
	Baltic Mach & Tool Co	New York Telephone

4421 Purves Street

Year	Uses	Source
2000	Russell Cress Co	Cole Information Services
1945	Concrete Breaking Co	New York Telephone

FINDINGS

4422 Purves Street

Year	*Uses*	*Source*
1934	Robinsson DAvid Mamie professional boxer	R. L. Polk & Co.

4424 Purves Street

Year	*Uses*	*Source*
1934	JAvakian Gabriel Alice carpet clnr	R. L. Polk & Co.
	Greer Clara Mrs maid	R. L. Polk & Co.
	Snelson Chas A clk	R. L. Polk & Co.
	Snelson Pearl wid Chas	R. L. Polk & Co.
	Robinson Isabelle walter	R. L. Polk & Co.
	Browder Florence wid Nicholas maid	R. L. Polk & Co.

4426 Purves Street

Year	*Uses*	*Source*
2000	Bartellino Vincent	Cole Information Services
1945	F R Mach Wks	New York Telephone

4428 Purves Street

Year	*Uses*	*Source*
1934	Solomon Bert Charlotte pipemkr	R. L. Polk & Co.
	Glover Grace wid Jos dom	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
4418 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2717 Thompson Ave	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2719 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2719 44th Drive	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2721 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1934, 1922
2723 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2723 44th Drive	2013, 2008, 2005, 1996, 1991, 1976, 1967, 1950, 1945, 1939, 1934, 1922
2725 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2727 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2733 44th Drive	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4412 PURVES ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4412 Purves Street	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4414 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4416 PURVES ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4416 Purves Street	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4417 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1950, 1939, 1934, 1922
4419 PURVES ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4419 Purves Street	2013, 2008, 1996, 1976, 1962, 1950, 1939, 1934, 1922
4421 Purves Street	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4422 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4424 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4426 PURVES ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4426 Purves Street	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
4428 Purves Street	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

APPENDIX L- ENVIRONMENTAL LIEN SEARCH

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.7
December 09, 2013

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

44-18 Purves Street
27-21 44th Drive and 44-18 Purves Street
Long Island City, NY 11101

RESEARCH SOURCE

Source 1:

Queens Recorder
Queens, NY

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	44 LIC LLC
Title received from:	Electric Realty Co. LLC
Deed Dated	9/14/2011
Deed Recorded:	8/27/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2013071900952001
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	44 LIC LLC
Parcel # / Property Identifier:	Blk. 268 / Lot 4
Comments:	See Exhibit

Deed 2:

Type of Deed:	Deed
Title is vested in:	44 LIC LLC
Title received from:	4418 Purves LLC
Deed Dated	7/18/2013
Deed Recorded:	8/27/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2013071900952002
Docket:	NA
Land Record Comments:	

EDR Environmental Lien and AUL Search

	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	44 LIC LLC
Parcel # / Property Identifier:	Blk. 268 / Lot 23, Blk. 268 / Lot 22
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2013071900952001001E83D3

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 5**

Document ID: 2013071900952001 Document Date: 09-14-2011 Preparation Date: 07-19-2013
Document Type: DEED
Document Page Count: 4

PRESENTER:
ALL NEW YORK TITLE AGENCY (PICK-UP VICKIE)
222 BLOOMINGDALE ROAD
SUITE 306 (ANY2011-7428C LS)
WHITE PLAINS, NY 10605
914-686-5600
JKAMNA@ALLNYT.COM

RETURN TO:
SEIDEN & SCHEIN, P.C.
570 LEXINGTON AVENUE, 14TH FLOOR
NEW YORK, NY 10022
ATTN: ALVIN SCHEIN, ESQ.

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	268	4	Entire Lot	27-21 44TH DRIVE

Property Type: OTHER

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
ELECTRIC REALTY COMPANY, L. L. C.
C/O KRAUPNER GROUP, 457 KNICKERBOCKER AVENUE
BROOKLYN, NY 11237

GRANTEE/BUYER:
44 LIC LLC
C/O VOREA HOLDINGS, LLC, 184 N. 8TH STREET
NEW YORK, NY 11237

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	57.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-27-2013 09:44
City Register File No.(CRFN): **2013000341299**

City Register Official Signature

A NY.11.7428C

QUITCLAIM DEED

by and between

ELECTRIC REALTY COMPANY, L.L.C.,
as Grantor

and

44 LIC LLC,
as Grantee

AS OF
Dated: September 14, 2011

Premises:
27-21 44th Drive
Long Island City, New York

Record and return to:

Alvin Schein, Esq.
Seiden & Schein, P.C.
570 Lexington Avenue, 14th floor
New York, New York 10022

Block:	268
Lot:	4
County:	Queens

QUITCLAIM DEED

THIS INDENTURE, made as of the 14th day of September, 2011

BETWEEN

ELECTRIC REALTY COMPANY, L.L.C., a Delaware limited liability company having an address at c/o Kraupner Group, 457 Knickerbocker Avenue, Brooklyn, New York 11237 (the "Grantor"),

AND

44 LIC LLC, a New York limited liability company having an address at c/o Vorea Holdings, LLC 184 N. 8th Street, New York, New York 11237 (the "Grantee").

WITNESSETH, that Grantor, in consideration of Ten Dollars ($10.00) and other valuable consideration paid by Grantee, does hereby remise, release and quitclaim unto Grantee, the heirs or successors and assigns of Grantee forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the in the City of New York, County of Queens and State of New York, and known as part of 27-21 44th Drive, Long Island City, New York (the "Property"), as more particularly described on Schedule A annexed hereto and made a part hereof,

TOGETHER WITH all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described Property to the center lines thereof;

TOGETHER WITH the appurtenances and all the estate and rights of Grantor in and to said Property; and

TO HAVE AND TO HOLD the Property herein granted unto Grantee, the heirs or successors and assigns of Grantee, forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvements at the Property and will apply the same first to the payment of the cost of the improvements before using any part of the total of the same for any other purpose.

IN WITNESS WHEREOF, Grantor has duly executed this deed the day and year first above written.

ELECTRIC REALTY COMPANY, L.L.C.,
a New York limited liability company

By: _____
Name: Eileen Ludwig Greenland
Title: Authorized Signatory

ACKNOWLEDGMENT

STATE OF NEW YORK)
) ss.:
COUNTY OF NEW YORK)

On the 20th day of September in the year 2011, before me, the undersigned, a Notary Public in and for said State, personally appeared EILEEN LUDWIG GREENLAND, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

KEVIN P. GROARKE
Notary Public, State of New York
No. 4664596
Qualified in Westchester County
Commisssion Expires February 28, 2015

SEAL SEAL

SCHEDULE A
ANY2011-7242C

ALL those certain plots, pieces or parcels of land situate, lying and being in the Borough and County of Queens, City and State of New York, more particularly bounded and described as follows:

BEGINNING at a point on the easterly side of 44th Drive (Nott Avenue) distant 59.94 feet northerly from the corner formed by the intersection of the easterly side of 44th Drive with the northeasterly side of Thomson Avenue;

RUNNING thence northerly along the easterly side of 44th Drive, 100.04 feet;

THENCE easterly and parallel with the southerly side of Jackson Avenue, 92.11 feet;

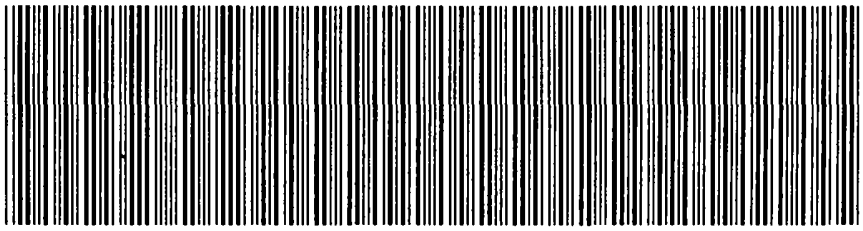
THENCE southerly along a line forming an interior angle of 90 degrees 21' 40" with the last mentioned course, 75.00 feet;

THENCE easterly parallel with the southerly side of Jackson Avenue, 10.00 feet;

THENCE southerly parallel with the westerly side of Purves Street, 25.00 feet;

THENCE westerly along a line forming an interior angle of 89 degrees 38' 20" with the last mentioned course, 98.54 feet to the easterly side of 44th Drive, at the point or place of BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2013071900952001001S4D52

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2013071900952001 Document Date: 09-14-2011 Preparation Date: 07-19-2013
Document Type: DEED

ASSOCIATED TAX FORM ID: 2013071900319

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
RP - 5217 REAL PROPERTY TRANSFER REPORT	4

FOR CITY USE ONLY

C1. County Code | | C2. Date Deed Recorded | | / | / | (Month / Day / Year)

C3. Book | | C4. Page | |

OR

C5. CRFN | |

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

CITY REGISTER

JUN 24 2013

PROPERTY INFORMATION

1. Property Location: 27-21 (STREET NUMBER) | 44TH DRIVE (STREET NAME) | QUEENS (BOROUGH) | (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address — Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form): C/O VOREA HOLDINGS LLC (LAST NAME / COMPANY) | (FIRST NAME)

184 N 8TH STREET (STREET NUMBER AND STREET NAME) | WILLIAMSBURG (CITY OR TOWN) | NY (STATE) | 11211 (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 1 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: ELECTRIC REALTY COMPANY, L.L.C. (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 9 / 9 / 2011 (Month / Day / Year)

11. Date of Sale / Transfer: 9 / 9 / 2011 (Month / Day / Year)

12. Full Sale Price $ 0

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: G, 2

16. Total Assessed Value (of all parcels in transfer):

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 4

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE | DATE

C/O VOREA HOLDINGS LLC 184 8TH STREET

STREET NUMBER | STREET NAME (AFTER SALE)

WILLIAMSBURG

CITY OR TOWN | NY (STATE) | 11211 (ZIP CODE)

BUYER'S ATTORNEY

LAST NAME | FIRST NAME

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE

2011091300126201

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER		BUYER'S ATTORNEY	
BUYER SIGNATURE	DATE 2/22/12	LAST NAME	FIRST NAME
C/O VOREA HOLDINGS LLC 184 8TH STREET		AREA CODE	TELEPHONE NUMBER
STREET NUMBER STREET NAME (AFTER SALE)			
WILLIAMSBURG	NY 11211	SELLER	
CITY OR TOWN	STATE ZIP CODE	SELLER SIGNATURE	DATE 9/20/11

ELECTRIC REALTY COMPANY, LLC

2011091300126201

FOR CITY USE ONLY

C1. County Code | | C2. Date Deed Recorded | / / | Month Day Year

C3. Book OR C4. Page

C5. CRFN

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

PROPERTY INFORMATION

1. Property Location: 27-21 (STREET NUMBER) | 44TH DRIVE (STREET NAME) | QUEENS (BOROUGH) | 11101 (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

CITY REGISTER

(LAST NAME / COMPANY) | (FIRST NAME)

JUL 24 2013

3. Tax Billing Address — Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form)

(LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 1 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: ELECTRIC REALTY COMPANY, L. L. C. (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 9 / 9 / 2011 (Month Day Year)

11. Date of Sale / Transfer: 9 / 14 / 2011 (Month Day Year)

12. Full Sale Price $ 0

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: G 2

16. Total Assessed Value (of all parcels in transfer): 1,651,150

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 4

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER		BUYER'S ATTORNEY	
BUYER SIGNATURE	DATE	LAST NAME	FIRST NAME
C/O VOREA HOLDINGS, LLC 184 N. 8TH STREET			
STREET NUMBER / STREET NAME (AFTER SALE)		AREA CODE	TELEPHONE NUMBER
		SELLER	
NEW YORK / CITY OR TOWN	NY / STATE	11237 / ZIP CODE	SELLER SIGNATURE / DATE

2013071900319201

Deed Exhibit 2

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2013071900952002002E7397

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 5**

Document ID: 2013071900952002 Document Date: 07-18-2013 Preparation Date: 07-19-2013
Document Type: DEED
Document Page Count: 4

PRESENTER:
ALL NEW YORK TITLE AGENCY (PICK-UP VICKIE)
222 BLOOMINGDALE ROAD
SUITE 306 (ANY2011-7428C LS)
WHITE PLAINS, NY 10605
914-686-5600
JKAMNA@ALLNYT.COM

RETURN TO:
SEIDEN & SCHEIN, P.C.
570 LEXINGTON AVENUE, 14TH FLOOR
NEW YORK, NY 10022

PROPERTY DATA

Borough	Block	Lot		Unit	Address
QUEENS	268	22	Entire Lot		44-18 PURVES STREET

Property Type: OTHER

Borough	Block	Lot		Unit	Address
QUEENS	268	23	Entire Lot		44-22 PURVES STREET

Property Type: OTHER

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
4418 PURVES LLC
410 OGDEN AVENUE
TEANECK, NJ 07666

GRANTEE/BUYER:
44 LIC LLC
31-87 STEINWAY STREET, SUITE 5
ASTORIA, NY 11103

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	60.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 108,176.25
NYS Real Estate Transfer Tax: $ 16,484.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-27-2013 09:44
City Register File No.(CRFN): **2013000341300**

City Register Official Signature

AM-11-7428C

— Bargain and Sale Deed, with Covenant against Grantor's Acts — Individual or Corporation (Single Sheet)

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made the 18TH day of July in the year 2013

BETWEEN 4418 PURVES LLC, 410 OGDEN AVENUE, TEANECK, NEW JERSEY, 07666

party of the first part, and 44 LIC LLC, 31-87 STEINWAY STREET, SUITE 5, ASTORIA, NEW YORK 11103
party of the second part,
WITNESSETH, that the party of the first part, in consideration of TEN ($10.00) dollars
paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

All that certain Lot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the County of Queens, Block 268, Lots 22 and 23 and known as 44-18 Purves Street, Long Island City, New York, the property being transferred being the same premises described in the deed to the party of the first part herein by deed dated 2/3/2010 recorded 2/17/2010 in CRFN 201000005432, See Schedule A annexed hereto for a metes and bounds description.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.
AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

4418 PURVES, LLC

IN PRESENCE OF:

NORMAN N. RATZERSDORFER, MANAGER

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of NEW YORK, ss:

On the 18TH day of JUNE in the year 2013, before me, the undersigned, personally appeared NORMAN RATZERSDORFER, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

JACK WAINER
Notary Public, State of New York
No. 01WA4846218
Qualified in Nassau County
Commission Expires Sept. 30, 20 17

SEAL

ACKNOWLEDGEMENT BY SUBSCRIBING WITNESS TAKEN IN NEW YORK STATE

State of New York, County of , ss:

On the day of in the year , before me, the undersigned, a Notary Public in and for said State, personally appeared , the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in

(if the place of residence is in a city, include the street and street number if any, thereof);

that he/she/they know(s) to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of , ss:

On the day of in the year , before me, the undersigned, personally appeared , personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK STATE

*State of , County of , ss:

*(Or insert District of Columbia, Territory, Possession or Foreign County)

On the day of in the year , before me the undersigned personally appeared Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual make such appearance before the undersigned in the

(add the city or political subdivision and the state or country or other place the acknowledgement was taken).

Bargain and Sale Deed With Covenants

Title No. ANY 2011-7428C

4418 PURVES, LLC
TO
44 LIC, LLC

SECTION:

BLOCK: 268

LOT: 22 and 23

COUNTY OR TOWN: QUEENS

RETURN BY MAIL TO:

SEIDEN & SCHEIN, P.C.
570 LEXINGTON, AVENUE, 14TH FLOOR
NEW YORK, NEW YORK 10022

MADISON TITLE AGENCY L.L.C.
1125 OCEAN AVENUE
LAKEWOOD, NJ 08701
P:(732)905-9400
F:(732)905-9420
WWW.MADISONTITLE.COM

ALL NEW YORK TITLE AGENCY, INC.

Title No. ANY2011-7428C

SCHEDULE A

Amended 06-26-2013

PARCEL 1 - LOT 22

ALL that certain plot, piece or parcel of land situate, lying and being in the Borough of Queens, County of Queens, City and State of New York, known and designated as Lot No. 15 in Block No. 1, on a certain map entitled, "Thomson' Extension Map of Long Island City at Hunter's Point, made by Peter Van Alst, C.S. for James Thomson dated May 1, 1867" and filed in the Queens County Clerk's Office, with said lot is bounded and described as follows:

BEGINNING at a point on the westerly side of Purves Street (formerly known as Thomson Street) distant 175 feet southerly from the corner formed by the intersection of the westerly side of Purves Street with the southerly side of Jackson Avenue;

RUNNING thence southerly along said side of Purves Street, 25 feet;

THENCE westerly parallel with Jackson Avenue, 100 feet;

THENCE northerly parallel with Purves Street, 25 feet;

THENCE easterly parallel with Jackson Avenue, 100 feet to the westerly side of Purves Street, at the point or place of BEGINNING.

PARCEL 2 - LOT 23

ALL that certain plot, piece or parcel of land situate, lying and being in the Borough and County of Queens, City and State of New York, known as and by Lot Number 23 in Tax Block 268 as the Tax Map existed on June 6, 2006 and being bounded and described as follows:

BEGINNING at a point on the westerly side of Purvis Street distant 276 feet northerly from the corner formed by the intersection of the westerly side of Purvis Street with the northeasterly side of Thomson Avenue;

RUNNING thence westerly at right angles to the westerly side of Purvis Street, 100 feet;

THENCE northerly parallel to the westerly side of Purvis Street, 25 feet;

THENCE easterly again at right angles to the westerly side of Purvis Street, 100 feet to

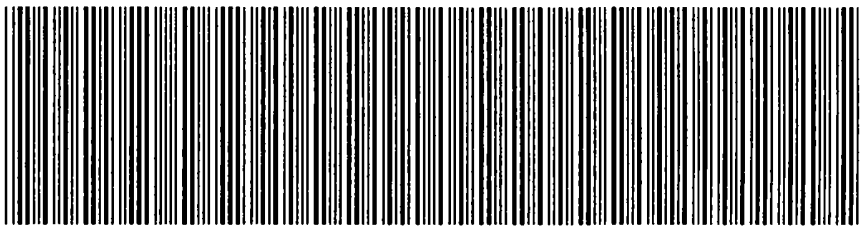
- continued on next page -

SCHEDULE A (continued)

the westerly side of Purvis Street;

THENCE southerly along the westerly side of Purvis Street, 25 feet to the point or place of BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2013071900952002002SBD16

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2013071900952002 Document Date: 07-18-2013 Preparation Date: 07-19-2013
Document Type: DEED

ASSOCIATED TAX FORM ID: 2013071600419

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	2
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code ____ C2. Date Deed Recorded ____ / ____ / ____ (Month / Day / Year)

C3. Book OR C5. CRFN ____ C4. Page ____

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

PROPERTY INFORMATION

1. Property Location: 44-18 (STREET NUMBER) | PURVES STREET (STREET NAME) | QUEENS (BOROUGH) | 11101 (ZIP CODE)

2. Buyer Name: 44 LIC LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 2 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: ____ (FRONT FEET) X ____ (DEPTH) OR ____ (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: 4418 PURVES LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 4 / 24 / 2013 (Month / Day / Year)

11. Date of Sale / Transfer: 7 / 18 / 2013 (Month / Day / Year)

12. Full Sale Price $ 4,121,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale ____

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: V1

16. Total Assessed Value (of all parcels in transfer): 93,600

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 268 22 | QUEENS 268 23 |

20130716004192O102

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE | DATE: 7/19/13

31-87 STEINWAY STREET, SUITE 5

STREET NUMBER | STREET NAME (AFTER SALE)

ASTORIA | NY | 11103

CITY OR TOWN | STATE | ZIP CODE

BUYER'S ATTORNEY

LAST NAME | FIRST NAME

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE: 7/18/13

2013071600419201

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) **Property receiving service: BOROUGH: QUEENS** **BLOCK: 268** **LOT: 22**

(2) **Property Address: 44-18 PURVES STREET, QUEENS, NY 11101**

(3) **Owner's Name:** **44 LIC LLC**

Additional Name:

Affirmation:

☑ Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.

B. Original bills for water and/or sewer service will be mailed to the owner, **at the property address or to an alternate mailing address**. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 595-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name ~~of Owner~~:

Signature: _____ Date (mm/dd/yyyy) 7/18/2013

Name and Title of Person Signing for Owner, if applicable:

SEE ATTACHED PAGE FOR ADDITIONAL APPLICABLE PROPERTIES

BCS-7CRF-ACRIS REV. 8/08

2013071600419101

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Borough	Block	Lot	Street	City	State	Zip
QUEENS	268	23	44-22 PURVES STREET	NY	NY	11101

20130716004191O102

APPENDIX M- RESUMES

Jessica P. Alzamora, PE, LEED AP

Senior Staff Engineer/ Project Scientist
Environmental Engineering & Construction Monitoring

8 years in the industry ~ 7 years with Langan

Ms. Alzamora has over eight years of experience in environmental, site/civil, and geotechnical engineering. Her experience involves site investigation and remediation, environmental site assessments, utility assessments and design, water system analysis, and stormwater management design in New York, New Jersey, Nevada, and Connecticut. Her construction/field experience includes remedial excavation oversight, excavation and disposal of contaminated soils, installation and sampling of groundwater monitoring wells, soil sampling, health and safety air-monitoring, construction oversite/inspection, earthwork inspection, caisson installation, pavement inspection, and general surveying practices. Ms. Alzamora has experience in the evaluation of laboratory analytical data, design of sub-slab depressurization and soil vapor extraction systems, and preparation of construction documents and environmental reports (investigation, spill closure, final engineering reports, remedial action plans, health and safety plans). Ms. Alzamora is proficient in the latest Microsoft applications, AutoCAD, Land Development Desktop, and gINT.

Selected Projects

Teterboro Airport, 22 Acre Site, Teterboro, NJ
New York City School Construction Authority,
Multiple PCB Sites, New York, NY
McCarren Park Pool Reconstruction, Brooklyn, NY
711 Stewart Avenue, Garden City, NY
Hudson Mews Property-Marty Fine Parcel, New York, NY
627-641 Smith Street, Brooklyn, NY
216 West 76th Street, New York, NY
500 West 23rd Street, New York, NY
Gotham West/Studio City, New York, NY
1113 York Avenue, New York, NY
Con Edison, East 60th Street Generating Station, NY
2950 Atlantic Avenue, East New York, Brooklyn, NY
255 4th Avenue, Brooklyn, NY
New York Police Academy, Queens, NY
West 59th Street, New York, NY
Kingsbridge Armory, Bronx, NY
Public Safety Answer Center II - Bronx, NY
River Place II, New York, NY
Gateway at Bronx Terminal Market, Bronx, NY
Red Bull Arena, Harrison, NJ
Goldman Sachs World Headquarters, New York, NY
FDNY Rescue No. 3, Bronx, NY
Novartis East Village Expansion, East Hanover, NJ
New York Botanical Gardens, Bronx, NY

Education

B.S., Civil Engineering
University of Connecticut

A.S., Engineering Science
Manchester Community College

Professional Registration

Professional Engineer (PE) in NY

LEED Accredited Professional (LEED AP)

Affiliations

American Society of Civil Engineers (ASCE)

United States Green Building Council (USGBC)

LANGAN

Cooper Union Academic Building, New York, NY
The Curve Mixed-Use Development, Clark County, NV
Storage West Town Center, Las Vegas, NV
Walgreens Retail Center, CT
University of Hartford's Integrated Science and Technology Complex (ISET), Hartford, CT

Jason J. Hayes, PE, LEED AP

Associate
Environmental Engineering & Project Management

13 years in the industry

Mr. Hayes has 13 years of experience in New York, New Jersey, California, Washington, Oregon and Alaska. His experience includes Environmental Protection Agency (EPA), New York State (NYS) Brownfield's application, investigation, and remediation; New York City Department of Environmental Protection (NYCDEP) and New York City Office of Environmental Remediation (OER) E-designated site application, investigation, and remediation; Phase I and II Environmental Site Assessments; contaminated building cleanup and demolition; Underground Storage Tank (UST) permitting, removal specifications, and closure reporting; soil vapor intrusion investigation and mitigation system design (sub-slab depressurization systems, etc.); development of screening-level groundwater contaminant (volatile organic compounds - VOCs) plume migration models; environmental analysis; and oversight, design and specification generation for remediation operations with contaminants of concern to include polychlorinated biphenyls (PCBs), solvents, mercury, arsenic, petroleum products, asbestos, mold and lead.

Education

M.S., Environmental Engineering
Columbia University

B.Sc., Chemistry, Environmental Toxicology
Humboldt State University

Business Administration (minor)
Humboldt State University

Professional Registration

Professional Engineer (PE) in NY

LEED Accredited Professional (LEED AP)

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Site Supervisor

Affiliations

US Green Building Council, NYC Chapter (USGBC)

Urban Land Institute (ULI)

NAIOP

National Brownfield Partnership

Selected Projects

New York Police Academy, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY
Jacob Javits Convention Center, New York, NY
Yankee Stadium Development, Bronx, NY
Bushwick Inlet Park, Brooklyn, NY
Silvercup West, Queens, NY
29 Flatbush, Brooklyn, NY
Gowanus Village I, Brooklyn, NY
Sullivan Street Hotel, New York, New York
Riker's Island, Co-Generation Plant, Bronx, NY
The Shops at Atlas Park, Glendale, NY
Memorial Sloan-Kettering Cancer Center, New York, NY
Element West 59th Street, New York, NY
Teterboro Airport, Teterboro, NJ
Proposed New York JETS Stadium, New York, NY
Former Con Edison Manufactured Gas Plant (MGP) Sites, New York, NY
7 World Trade Center, New York, NY
Peter Cooper Village, New York, NY

Selected Publications, Reports, and Presentations

NYC Mayor's Office of Environmental Remediation – Big Apple Brownfield Workshop – Presented on Soil Vapor Intrusion Remedies (e.g., SSD Systems, Vapor Barriers, Modified HVAC)

Joel B. Landes, PE

Senior Associate/ Program Director
Environmental Engineering & Project Management

37 years in the industry ~ 13 years with Langan

Mr. Landes has over thirty-seven years of diversified experience directing environmental engineering and consulting projects for Fortune 500 manufacturing firms, real estate developers and public utilities. His experience includes management of environmental compliance for a major pharmaceutical company and as an environmental affairs consultant for private clients. He has expertise redeveloping former industrial, chemical, petroleum storage and manufactured gas plant sites into residential and commercial use through the New York State Brownfield Cleanup Program. He has lead environmental studies for acquisitions and divestitures of pharmaceutical and industrial facilities; industrial site selection and permitting.

He currently oversees all Langan environmental services in the New York City Metropolitan area including Phase I and II Environmental Site Assessments, remedial investigations, feasibility studies; remedial measure design and implementation.

Selected Projects

BROWNFIELD CLEANUP PROGRAM

The Shops at Atlas Park, Glendale, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY

INDUSTRIAL

711 Stewart Avenue, Garden City, NY
Acme/Whitehead, Brooklyn, NY
Waterside Generating Plan and Office Building, New York, NY
FSM Partners, New York, NY
Consolidated Edison of New York, Multiple Former MGP Facilities, Various Locations, New York, NY
Sterling Drug, Inc., Rensselaer, NY
Fresh Kills Landfill, New York City Department of Sanitation, Staten Island, NY
Property Investigation for Village of Sleepy Hollow, Tarrytown, NY
Vehicle Service Facility, City of Yonkers, NY
Crane Company, Roseland, NJ
Confidential Industrial Client, Environmental Risk Management, Bound Brook, NJ
Confidential Client, Superfund Site Remediation, Bound Brook, NJ
Elizabethtown Gas Company, Elizabeth, NJ

Education

Graduate Studies in
Business Management
Union College

M.E., Environmental Planning
and Management
The Cooper Union

B.S., Chemical Engineering
Polytechnic Institute of Brooklyn

Professional Registration

Professional Engineer (PE) in NY, NJ

Affiliations

New York Building Congress

NYC Partnerships of Brownfield Professionals

Business Council of New York State

Environmental Business Association

National Brownfield Association – NYS Chapter

LANGAN

Ethicon, Somerville, NJ
Indiana General, Keasbey, NJ
Sumitomo Machinery, Teterboro, NJ
Schmid Labs, West Patterson, NJ
L&F Products, ISRA/ECRA Cleanup, Belle Mead, NJ
CPC International, Various Locations, NY and IL
Pnemo Abex, Cleveland, OH
NL Chemicals, Various Locations, NJ and MI
Copper Processing Plant, Sofia, Bulgaria
Steel Processing Plant, Environmental Assessment, Pernik, Bulgaria
American Home Products, Mexico
Confidential Pharmaceutical Acquisition, Europe, Caribbean, and Africa
Colgate-Palmolive, Paris, France, Mexico City, Mexico, Brazil, Argentina and South America
Pfizer Pharmaceutical Company, PA and Europe
Riverwood Capital, US, Mexico, Central and South America
Sterling Drug, Puerto Rico
Laport, Ltd., Chile, South America

POWER

Sithe Energy, Kenilworth, NJ
Confidential Independent Power Producer Siting Analysis, Midwest, Mid-Atlantic and Southern, United States
Confidential IPP, Various Locations, VA
Florida Power and Light (FPL), Miami, FL
TXU Energy, Dallas, TX
Confidential Independent Power Producer, Midwest, Mid-Atlantic and Southern United States

AIRPORTS

American Airlines Terminals, Environmental Assessments, Queens, NY
JFK International Airport, International Arrivals Building, Jamaica, Queens, NY
Nippon Cargo, Jamaica, Queens, NY
JFK International Airport, Eastern Airlines Hangar, Jamaica, Queens, NY
First Aviation Services Hangar and Terminal at Teterboro Airport, Teterboro, NJ

TRANSPORTATION

New Jersey Turnpike Authority, East Brunswick, NJ

HOSPITAL

Memorial Sloan-Kettering Cancer Center, New York, NY
Memorial Sloan-Kettering Cancer Center, 1133 York Avenue, New York, NY
Memorial Sloan-Kettering Cancer Center, 64th Street, New York, NY
Memorial Sloan-Kettering Cancer Center, 74th Street, New York, NY
Memorial Sloan-Kettering Cancer Center, West Harrison, NY

COMMERCIAL

Jacob K. Javits Convention Center Expansion, New York, NY
7 World Trade Center, New York, NY

Atlantic Avenue Service Center, Brooklyn, NY
Yamato Transport, Tuckahoe, NY and Leonia, NJ
Mutual Oil Company, RI

HIGHER EDUCATION

Columbia University, Manhattanville Development Project, New York, NY
Columbia University Real Estate Group, 220 East 138th Street, Bronx, NY
Columbia University Real Estate Group, 1734 Bathgate Avenue, Bronx, NY
Columbia University Real Estate Group, 1745 Bathgate Avenue, Bronx, NY
Columbia University, The Studebaker Building Renovation, New York, NY
City University of New York (CUNY) John Jay College Expansion,
New York, NY

K-12 EDUCATION

PS 192, New York, NY

RESIDENTIAL AND MIXED-USE

Sullivan Street Residential, New York, NY
475 Ninth Avenue, New York, NY
River Place I and II, New York, NY
10 Chelsea, New York, NY
Silvercup West, Long Island City, NY
Superior Ink, New York, NY
Peter Cooper Village/Stuyvesant Town, MGP Consultations, New York, NY
Duane Street Condominium, New York, NY
Archstone Clinton, New York, NY

PARKS AND RECREATION

Highline Park, New York, NY
Yankee Stadium Redevelopment Project, Bronx, NY
Proposed New York Jets Stadium, New York, NY
AMF Bowling Centers, Phase I ESA's, 285 Locations, United States

EXPERT WITNESS

Confidential Client, Expert Affidavit, New York, NY
Confidential Client, Four New York Properties, New York, NY
Confidential Client, Expert Review and Remediation, Yonkers, NY
Confidential Client, Senior Environmental Consulting, Brooklyn, NY
Expert Affidavit, Confidential Client, New York, NY
Underground Storage Tank Removals, New York, NY

APPENDIX B GEOPHYSICAL REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

COMMERCIAL / INDUSTRIAL BUILDING-

27-21 44th Drive

Long Island City, New York 11101

NOVA PROJECT NUMBER

13-0795

DATED

December 9, 2013

PREPARED FOR:

LANGAN

21 Penn Plaza –
360 West 31st Street
New York, NY 10001

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions

56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

December 9, 2013

Joseph Good, P.E.
Project Engineer
LANGAN
21 Penn Plaza –
360 West 31st Street
New York, NY 10001
Direct: 212.479.5448
Mobile: 847.971.1972
Email: jgood@langan.com

Re: Geophysical Survey Report
Commercial Property-
27-21 44th Drive
Long Island City, New York 11101

Dear Mr. Good:

Nova Geophysical Services (NOVA) is pleased to provide findings of our geophysical survey at the above referenced project site located at 27-21 44th Drive, Long Island City, New York (the "Sites"). Please see attached Geophysical Survey map for more details.

INTRODUCTION TO GEOPHYSICAL SURVEY

NOVA performed a Geophysical survey consisting of Ground Penetrating Radar (GPR), Electromagnetic (EM) surveys and comprehensive subsurface utility (CSUL) surveys at the project Site. The purpose of this survey is to clear and marked proposed environmental boring areas and to identify any underground storage tanks (USTs), anomalies, and subsurface structures located at the project site on December 2nd, 2013.

The equipment selected for this investigation will be included a CSUL Pipe and Cable Locator (a magnetic detector), Ditch-Witch utility locator, Electromagnetic detector (Geonics EM61), Software and Sensor's 250 MHz ground-penetrating radar (GPR).

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

GEOPHYSICAL METHODS

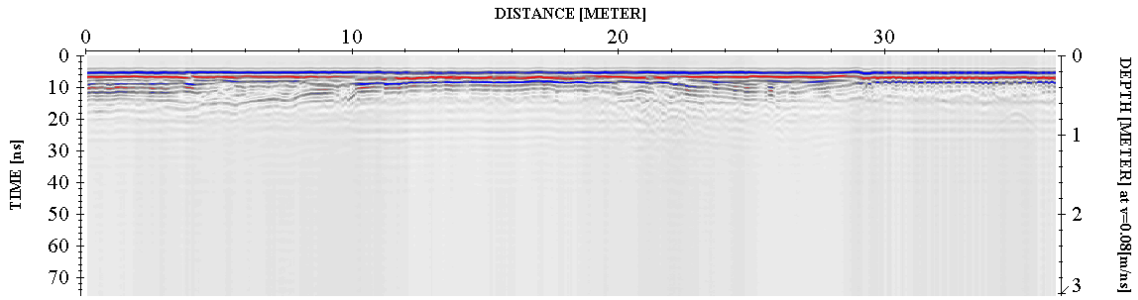
The project site was screened using the GPR by carrying the instrument over the project area at the site in 4' x 4' traverses. When evidence of anomalies were observed, they were clearly marked for further evaluation. A Ditch-witch(tm) utility locator would then be used to determine if the anomalies were utilities or other large sub-surface metal objects. Finally, GPR profiles were collected over each metal-detector anomaly and inspected for reflections, which could be indicative of major anomalies.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed area consisted of paved areas with concrete (interior of the site building) and none paved areas.

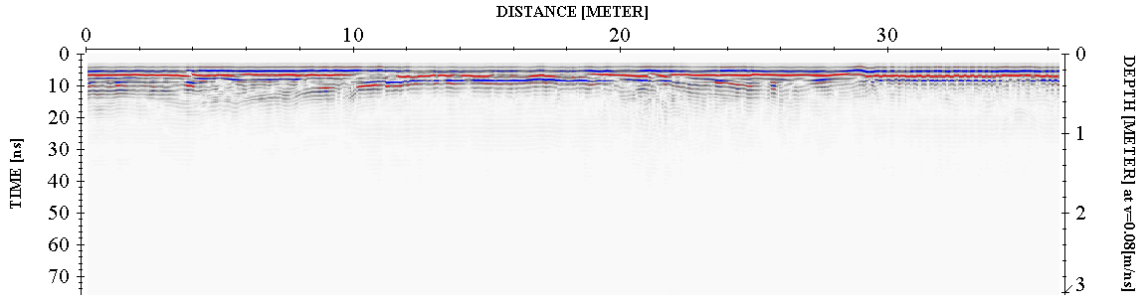
DATA PROCESSING

In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

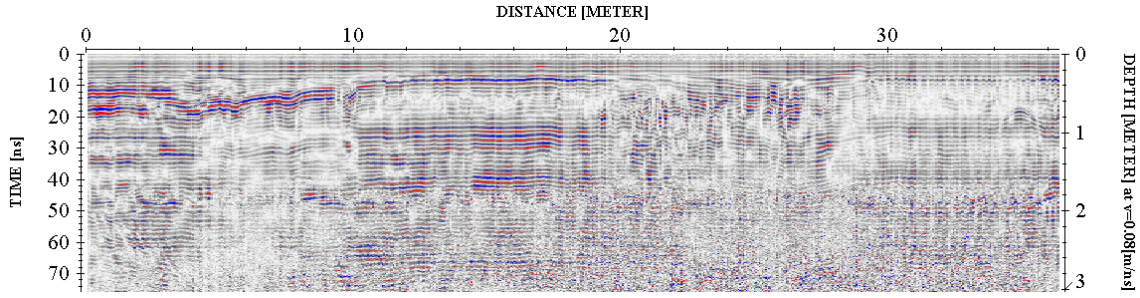
Step 1. Import raw RAMAC data to standard processing format



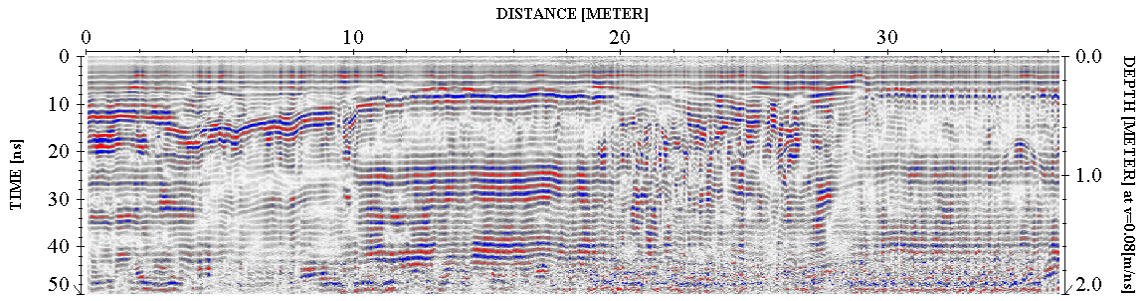
Step 2. Remove instrument noise *(dewow)*



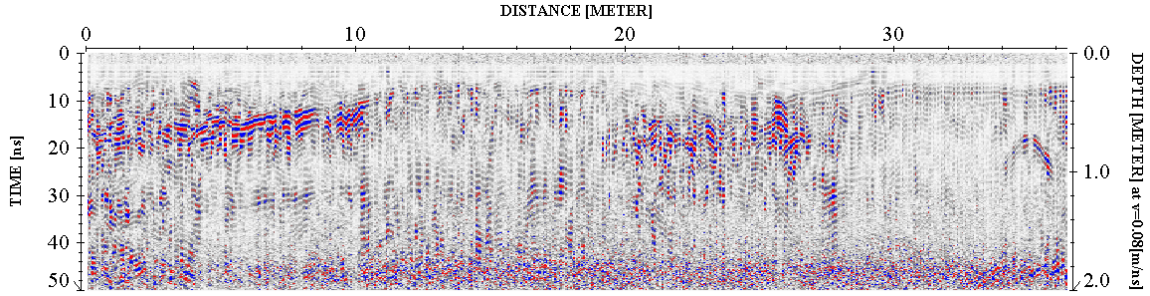
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and describes the subsurface anomalies more accurately.

PHYSICAL SETTINGS

Nova observed following physical conditions at the time of the survey:

The weather: Mostly sunny
Temp: 42 degrees
Surface: Paved and none paved.
Geophysical Noise Level (GNL): Geophysical Noise Level (GNL) low to high (accumulated water within the site building) at the time of the survey.

RESULTS

The results of the geophysical survey identified following at the project Site:

- Geophysical survey identified minor anomalies located throughout of the project areas.
- Geophysical survey identified utilities located throughout of the project area. All of these anomalies (utilities) were clearly marked during the survey.
- Nova cleared and marked all of the proposed boring locations at the time of the survey.
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

If you have any questions please do not hesitate to contact the undersigned.
Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Project Engineer

Attachments:

Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Survey Images

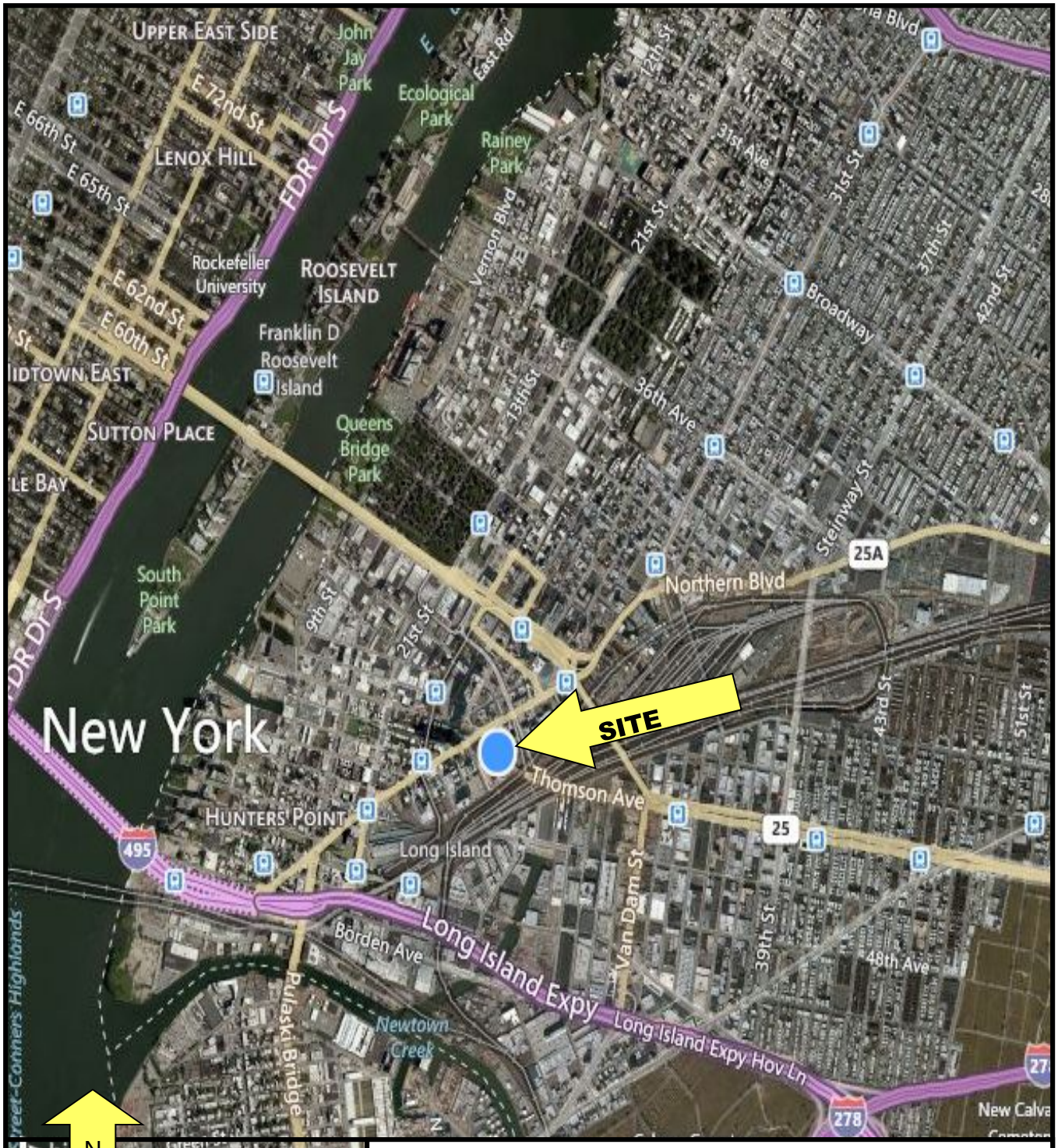


FIGURE 1

SITE LOCATION MAP

NOVA

Geophysical Services

Subsurface Mapping Solutions

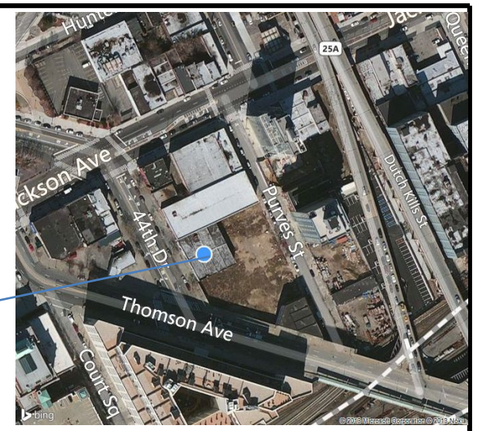
56-01 Marathon Pkwy, # 765, Douglaston, NY11362

(718) 261-1527 Fax (718) 261-1528

www.nova-gsi.com

SITE: **Commercial Property**
27-21 44th Drive
Long Island City, New York 11101

SCALE: See Map



N

Note: All anomalies were marked in the field.

NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, PO Box 765
Douglaston, New York11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

GEOPHYSICAL SURVEY PLAN

SITE : **Commercial Property**
27-21 44th Drive, Long Island City, NY 11101
CLIENT: Langan Engineering & Environmental Services
DATE: December 2, 2013
Scale See Map

INFORMATION

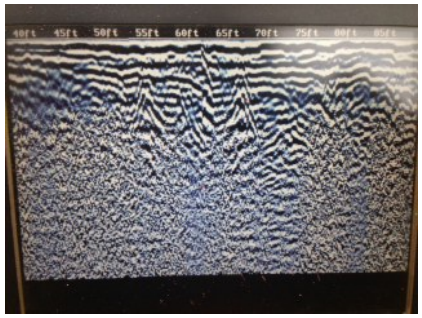
- Project Areas
- Underground Utilities/Pipes
- Scattered Anomalies
- Geophysical Noise Areas (Accumulated Water)

GEOPHYSICAL IMAGES

Commercial Property

27-21 44th Drive, Long Island City, New York

November 21, 2013

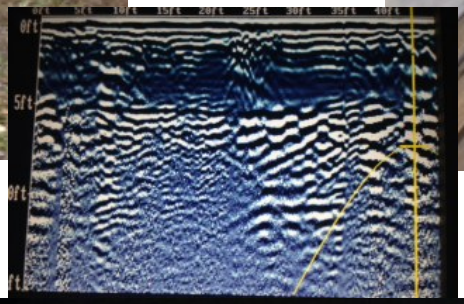


GEOPHYSICAL IMAGES

Commercial Property

27-21 44th Drive, Long Island City, New York

November 21, 2013



APPENDIX C PHOTO DOCUMENTATION

Photo 1: View of lots 22 and 23 along Purves Street.

Photo 2: View of AARCO coring concrete within the 44th Drive sidewalk.

Photo 3: View of soil recovery from boring EB02.

Photo 4: View from within concrete slab where refusal was encountered at the original proposed boring location of EB02

Photo 5: View of MW09, SV07, and approximate location of suspected UST in the western portion of lot 4.

Photo 6: Typical view of groundwater sampling setup.

Photo 7: View of clear purge water.

Photo 8: View of soil vapor sampling SV11.

APPENDIX D SOIL BORING LOGS

LANGAN

Log of Boring **EB01/MW08** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 18.94
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 / Date Finished: 3/7/14
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 18 ft / Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: NA / Weight (lbs): NA / Drop (in)	Drilling Foreman: John Dougherty
Sampler: 5' Macrocore with 1 1/4" Acetate Liner	Inspecting Engineer: Sean Harrison
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+18.9	Concrete Sidewalk	0						
	+17.8	13-60" Brown f-c SAND, trace gravel, dry, loose, well graded, trace brick (FILL)	1	1	5' Acetate Sleeve	60/60		0.0	08:40 AARCO begins core drilling through 44th Drive sidewalk
			2					0.0	
			3						EB01_1-3 (09:20)
			4						
		0-28" Brown f-m SAND, trace gravel, loose, well graded (FILL)	5	2	5' Acetate Sleeve	28/60		0.0	
			6					0.0	
			7					0.0	
			8						
			9						
		0-14" Brown f-m SAND, trace gravel, loose, well graded, moist (FILL)	10	3	5' Acetate Sleeve	24/60		0.0	EB01_10-12 (09:40)
		14-24" Gray-brown f-m SAND, some silt, moist, trace coal fragments (FILL)	11					0.0	
			12					0.0	
			13						
			14						
	+3.9		15					0.0	
		0-24" Black-gray SILT, some organics, organic decay odor, trace wood fragments, saturated, well graded (native)	16	4	5' Acetate Sleeve	24/36		0.0	EB01_15-17 (09:45)
	+1.9		17					0.0	
			18						End of Boring @ 18 ft bgs
			19						
			20						

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LANGAN

Log of Boring **EB02/MW09** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.43
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 / Date Finished: 3/7/14
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft / Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: NA / Weight (lbs): NA / Drop (in)	Drilling Foreman: Chuck Blumberg
Sampler: 5' Macrocore with 2" Acetate Liner	Inspecting Engineer: Patrick Farnham
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+6.4		0						
	+5.9	Concrete							12:25 - Start coring concrete slab (~8" and thin rebar). Encountered refusal @ ~ 2ft bgs (concrete visible in drilling show). Once concrete was removed from shoe, PID readings up to ~150 ppm and petroleum-like odors were observed within the shoe. Offset EB02 8 ft east of original location.
		Light brown-black f-c SAND, some concrete, some gravel, slightly moist (FILL)	1					0.0	
		Tan to pink dense f. SAND, brick, slightly moist (FILL)							
		Olive to red to black f-c SAND, slightly moist to moist to saturated (FILL)	2	1	5' Acetate Sleeve	26/60		0.0	
			3						
			4						
			5						13:15 - Start coring concrete slab (no rebar) in offset EB02 location
			6						13:30 - Collect sample EB02_0.5-2
			7						13:45 - No recovery was collected within the 5 to 10 ft interval. Offset EB02 location 6" west.
		Dark brown-black m-c SAND, some gravel, trace brick, trace glass (partial slough?), saturated, petroleum-like odor	8	2	5' Acetate Sleeve	24/60		6.7	13:50 - Drilling 6" west of EB02a to get recovery within the 5 to 10 ft interval. Switched out 1 1/4" dual tube acetate liners for 2" liners.
		Brown to gray medium dense f-c silty SAND, saturated, slight petroeum-like odor	9					5.4	
								3.2	
	-3.6		10					0.8	13:55 Collect sample EB02_8-10
		Brown to black m-c SAND, trace glass, some gravel (likely slough), saturated (native)	11						Switched back to 1 1/4" dual tube acetate liners for 10 to 15 ft interval
			12						
		Brown to black m-c SAND, trace glass, some gravel (likely slough), saturated (native)	13	3	5' Acetate Sleeve	32/60		1.5	
	-6.7							2.4	14:35 - Collect sample EB02_13-15
		Olive to black dense silty CLAY, some organic matter, moist, slight organic odor (native)	14					2.6	
								2.1	
	-8.6		15						End of Boring at 15 ft bgs. AARCO installed 10 ft of 1 inch prepack well screen and 3 ft of riser at 13 ft bgs.
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NY\DATA4\170281401\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\44TH DRIVE RI BORING LOGS.GPJ ... 9/26/2014 2:39:09 PM ... Report: Log - LANGAN ...Template WVU BASEBALL SOIL LOGS.GPJ

LANGAN

Log of Boring **EB03** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.9
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 / Date Finished: 3/7/14
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 10 ft / Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: NA / Weight (lbs): NA / Drop (in)	Drilling Foreman: Chuck Blumberg
Sampler: 5' Macrocore with 2" Acetate Liner	Inspecting Engineer: Patrick Farnham
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+6.9		0						
	+6.4	Concrete Slab							
		Light brown to black f-c SAND, loose, some gravel, trace coal, slight moist to moist (FILL)	1					0.0	11:10 Start coring slab 11:15 Collect sample EB03_0.5-2
			2	1	5' Acetate Sleeve	20/60		0.0	
			3						
			4						
			5					0.0	11:20 Only collected 4" recovery in 5 to 10 ft interval. 11:45 Offset EB03 1 ft north of original EB03 location to collect recovery within the 5 to 10 ft interval.
			6					0.0	
	-0.5	Dark brown to black c. SAND and GRAVEL, loose, some shell fragments, saturated, slight organic odor (native)	7	2	5' Acetate Sleeve	29/60			11:50 Collect sample EB03_8-10
		Black dense silty CLAY, saturated, slight organic odor (native)	8						
		Dark brown to black loose c. SAND and GRAVEL, some shell fragments, saturated (native)	9						
	-3.1	Light brown to black sandy SILT, mottled, moist, slight organic odor (native)	10						11:50 End of Boring at 10 ft bgs.
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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LANGAN

Log of Boring **EB04/MW10** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 7.31
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 / Date Finished: 3/7/14
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 10 ft / Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: NA / Weight (lbs): NA / Drop (in)	Drilling Foreman: Chuck Blumberg
Sampler: 5' Macrocore with 2" Acetate Liner	Inspecting Engineer: Patrick Farnham
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.3		0					0.0	
	+6.8	Concrete Slab							
		Black coal, slightly moist Olive to dark brown f-c SAND, loose, trace brick, trace slag, slightly moist, (FILL) Light brown to dark brown medium dense f-c SAND, trace coal, trace brick, moist Olive to black silty f. SAND, moist, slight organic odor, mottled	1					0.0	09:00 Start soring slab 09:30 Collect sample EB04_0.5-2
			2	1	5' Acetate Sleeve	40/60		0.0	
			3						
			4						
			5						09:40 Collect sample EB04_6-7 (not submitted for analysis (PTF)) 09:50 Collect sample EB04_9-10
	+1.2	Light brown to olive medium dense silty f. SAND, moist, some clay Olive to black dense silty f. SAND, mottled, trace gravel, saturated, slight organic odor, some clay	6						
			7	2	5' Acetate Sleeve	47/60		0.0	
			8					0.0	
	-2.7		9						
			10						End of Boring at 09:30. AARCO completing boring with 1" prepack well setting 10 ft of screen and 4 ft of riser at 14 ft bgs.
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **EB05/MW11** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.2
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 / Date Finished: 3/7/14
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 13.5 ft / Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: NA / Weight (lbs): NA / Drop (in)	Drilling Foreman: John Dougherty
Sampler: 5' Macrocore with 1 1/4" Acetate Liner	Inspecting Engineer: Sean Harrison
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.2	0-13" Brown f-m SAND, trace silt, trace brick, trace gravel, loose, well graded, dry (FILL)	0					0.0	Refusal @ original EB05 location at 1 ft bgs. Offset EB05 3 ft east of original location.
		13-35" Red-brown f. SAND, some silt, moist, poorly graded (FILL)	1					0.0	
			2	1	5' Acetate Sleeve	35/60		0.0	EB05_0-2 (11:50)
			3						
			4						
		0-35" Brown m-c SAND, wet @ ~6.5 ft, trace gravel, no silts, loose	5					0.0	EB05_5-6.5 (12:05) DUP01_030714 (12:05)
			6					0.0	
			7	2	5' Acetate Sleeve	35/60		0.0	
			8						
			9						
		0-24" Brown m-c SAND, trace gravel, saturated, no silts	10					0.0	EB05_12-13.5 (12:20)
			11					0.0	
	-2.8		12	3	5' Acetate Sleeve	41/42		23.5	
		24-41" Brown SILT, some f. SAND, poorly graded (native)	13					18.9 / 32.0 / 40.0	Installed 10 ft of 1" prepacked well screen from 3.5 to 13.5 ft bgs.
	-4.3		14						End of Boring at 13.5 ft bgs
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **EB06** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.3
Drilling Company: AARCO Environmental Services	Date Started: 3/7/14 — Date Finished: 3/7/14
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 10 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: John Dougherty
Sampler: 5' Macrocore with 1 1/4" Acetate Liner	Inspecting Engineer: Sean Harrison
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.3	0-12" Dark brown f-c SAND, trace gravel, trace asphalt fragments, dry (FILL)	0					0.0	
		12-29" Light brown f. SAND, poorly graded, dry, loose, (FILL)	1					0.0	EB06_0-2 (14:00)
		29-48" Brown f. SAND, some silt, trace gravel, moist	2	1	5' Acetate Sleeve	48/60		0.0	
			3					0.0	
			4						
	+4.3	0-9" Brown SILT, some f. SAND (native)	5					0.5	EB06_5-6.5 (14:10)
		9-21" Red-brown f-m SAND, trace silt, moist, loose, poorly graded	6					1.3	
		21-51" Brown SILT, trace f. sand, saturated, dense, trace clay	7					3.4	
			8	2	5' Acetate Sleeve	51/60		18.6	
			9					21.7	
	+0.1		10					17.0	EB06_7.5-9 (14:20)
			11						End of Boring at 10 ft bgs
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB01/MW01** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 8.32
Drilling Company: Laurel Environmental	Date Started: 12/2/13 — Date Finished: 12/2/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+8.3	0-2.5' Medium brown f-m SAND, trace concrete fragments, trace gravel, trace coal fragments, loose, moist, well graded (FILL)	0	1	5' Acetate Sleeve	24/60		0.5 1.2	
		5-6' Gray-brown f-c SAND, trace gravel, loose, wet, well graded (FILL)	5	2	5' Acetate Sleeve	12/60		316.3	SB01_5-6 (13:10)
	-1.7	10-10.5' Medium brown f-m SAND, some silt, trace gravel, moist, medium-dense, well graded (native) 10.5-12.5' Medium brown SILT, some clay, trace f. sand, plastic, moist, well graded (native) 12.5-13.5' Medium brown SILT, trace clay, medium-dense, moist, well graded (native)	10	3	5' Acetate Sleeve	42/60		21.5 421.8 156.3	SB01_10-11 (13:15)
	-6.7	End of Boring @ 15 ft bgs	15						End of Boring @ 15 ft bgs
			20						

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Log of Boring **SB02/MW02** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.2
Drilling Company: Laurel Environmental	Date Started: 12/2/13 — Date Finished: 12/2/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.2	0-1.5' Dark to medium brown f-m SAND, trace gravel, trace coal fragments, trace concrete, loose, moist, well graded (FILL)	0					0.2	
		1.5-3' Medium brown f-m SAND, trace gravel, loose, moist, well graded (FILL)	1						SB02_0-1 (11:40)
			2	1	5' Acetate Sleeve	36/60		5.6	
			3					8.9	
			4						
		5-8' Medium brown SILT, some clay, trace f. sand, plastic, moist, well graded (FILL)	5					50.2	
		8-9.5' Reddish brown m-c SAND, loose, wet, poorly graded (FILL)	6						SB02_6-7 (12:00)
			7					67.3	
			8	2	5' Acetate Sleeve	54/60		48.8	
			9					47.7	
	-0.8	10-11' Medium brown SILT, some f. sand, soft, loose, well graded (native)	10						
		11-12' Medium brown f-m SAND, trace silt, loose, wet, well graded (native)	11					311.1	SB02_11-12 (12:05)
		12-12.5' Dark brown f-c SAND, trace gravel, wet, loose, well graded (native)	12					707.9	DUP01 (11:11)
	-3.3			3	5' Acetate Sleeve	36/60		97.1	
	-3.8	12.5-13' Gray-brown SILT, some clay, trace f. sand, moist, plastic, well graded (native)	13						
			14						
			15						End of Boring @ 15 ft bgs
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB03/MW03** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.2
Drilling Company: Laurel Environmental	Date Started: 12/2/13 — Date Finished: 12/2/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.2	0-0.4' Medium brown f-m SAND, trace gravel, trace organics, loose, moist, well graded (FILL) 0.4-1.5' Interbedded brick, coal, and ash; loose, moist, well graded (FILL) 1.5-3.5' Light brown f-c SAND, loose, moist, poorly graded (FILL)	0	1	5' Acetate Sleeve	42/60		0.0 0.0 0.0	SB03_1-2 (10:30)
		5-7.5' Medium brown f-m SAND, loose, moist, poorly graded (FILL) 7.5-8.5' Medium brown m-c SAND, loose, wet, well graded ((FILL) 8.5-9.5' As above (5-7.5')	5	2	5' Acetate Sleeve	54/60		0.0 0.0 0.0 0.0	SB03_7-8 (10:35)
		10-11' As above (7.5-8.5'), wet 11-12' As above (5-7.5'), wet	10	3	5' Acetate Sleeve	60/60		0.0 0.0 0.0 0.0	
	-2.8	12-13' Medium brown f. SAND, some silt, some organics, soft, wet, well graded (native) 13-15' Medium brown SILT, some clay, trace f. sand, plastic, moist, well graded (native)	15						End of Boring @ 15 ft bgs
	-5.8		20						

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Log of Boring **SB04** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.4
Drilling Company: Laurel Environmental	Date Started: 12/2/13 — Date Finished: 12/2/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.4	0-0.4' Medium brown f-m SAND, trace gravel, trace organics, loose, moist, well graded (FILL)	0					0.0	
		0.4-3.5' Brick and mortar (FILL)	1						SB04_0-1 (10:00)
			2					0.0	
			3	1	5' Acetate Sleeve	42/60		0.5	
			4						
		5-7.5' Medium brown f-m SAND, trace silt, loose, wet, well graded (FILL)	5						SB04_5-6 (10:05)
			6					0.0	
			7						
			8	2	5' Acetate Sleeve	12/60			
			9						
		10-11' Medium brown m-c SAND, loose, wet, poorly graded (FILL)	10					0.5	
	-1.6	11-14' Gray brown SILT, some clay, trace f. sand, plastic, moist, well graded (native)	11						
			12						
			13	3	5' Acetate Sleeve	48/60			
	-4.6		14						
			15						End of Boring @ 15 ft bgs
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB05** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 9.4
Drilling Company: Laurel Environmental	Date Started: 12/2/13 — Date Finished: 12/2/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+9.4	0-2' Medium brown f-c SAND, trace concrete fragments, trace brick fragments, trace coal fragments, trace gravel, loose, moist, well graded (FILL)	0					0.0	
			1	1	5' Acetate Sleeve	24/60		3.1	SB05_1-2 (14:00)
			2						
			3						
			4						
		5-6' As above (0-2')	5					0.0	
			6						
			7	2	5' Acetate Sleeve	12/60			
			8						
			9						
	-0.6		10						
		10-11' Black f-m SAND, some silt, trace organics, soft, well graded (native)	11					0.0	
		11-13.5' Gray f-c SAND, loose, wet, poorly graded (native)	12	3	5' Acetate Sleeve	42/60		0.0	
	-4.1		13						
			14						
			15						End of Boring @ 15 ft bgs
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB06/MW06** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.97
Drilling Company: Laurel Environmental	Date Started: 12/3/13 — Date Finished: 12/3/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 10 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.0		0						
	+6.6	0-0.4' Concrete Slab							
		0.4-2.5' Gray brown f-c SAND, trace gravel, trace brick, trace coal, loose, moist, well graded, organic decay odor (FILL)	1	1	5' Acetate Sleeve	30/60		0.0	
			2					7.5	SB06_1-2 (11:40)
			3					3.1	
			4						
		5-6' As above (0.4-2.5')	5					24.2	SB06_5-6 (11:45)
	+1.0		6						
		6-8.5' Gray brown f-m SAND, trace gravel, loose, wet, well graded (native)	7	2	5' Acetate Sleeve	48/60		13.7	
			8					11.0	
								1.7	
	-2.0	8.5-9' Gray brown SILT, some clay, trace organics, plastic, moist, well graded (native)	9						
			10						End of Boring at 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB07/MW07** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.32
Drilling Company: Laurel Environmental	Date Started: 12/3/13 — Date Finished: 12/3/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 10 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+6.3		0						
	+5.9	0-0.4' Concrete Slab							
		0.4-2.5' Gray brown f-c SAND, trace gravel, trace brick fragments, loose, moist, well graded (FILL)	1	1	5' Acetate Sleeve	12/60		1.6	SB07_0-1 (11:00)
			2						
			3						
			4						
	+1.3		5						SB07_5-6 (11:05)
		5-7.5' Gray black f. SAND, some silt, soft, wet, well graded (native)						5.1	
		7.5-8' Gray brown GRAVEL, some f-c sand, loose, wet, well graded (native)	6					1.9	
			7	2	5' Acetate Sleeve	60/60		3.5	
		8-10' Gray brown SILT, some clay, trace f. sand, soft, wet, well graded (native)	8					4.1	
			9					1.7	
	-3.7		10						End of Boring @ 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB08** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.8
Drilling Company: Laurel Environmental	Date Started: 12/3/13 — Date Finished: 12/3/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+6.8		0						
	+6.4	0-0.4' Concrete Slab							
		0.4-2' Dark brown to gray brown f-c SAND, trace gravel, trace brick fragments, loose, moist, well graded, organic decay odor (FILL)	1	1	5' Acetate Sleeve	24/60		0.0	SB08_1-2 (09:00)
			2					0.0	
			3						
			4						
		5-5.5' As above (0.4-2'), wet	5					0.0	
			6	2	5' Acetate Sleeve	6/60			
			7						
			8						
			9						
	-3.7	10-10.5' Black brown GRAVEL, some m-c sand, loose, wet, well graded, sheen, organic decay odor (FILL)	10						SB08_10-11 (09:05)
		10.5-13' Black brown CLAY, some silt, trace s. SAND, trace organics, plastic, moist	11					5.3	
			12	3	5' Acetate Sleeve	36/60		2.2	
	-6.2		13					1.2	
			14						
			15						End of Boring at 15 ft bgs
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB09** Sheet 1 of 1

Project: 27-21 44th Drive & 44-18 Purves Street	Project No.: 170281401
Location: Long Island City, New York	Elevation and Datum: Approx. 6.4
Drilling Company: Laurel Environmental	Date Started: 12/3/13 — Date Finished: 12/3/13
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 15 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2" Direct Push	Number of Samples: Disturbed — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First — Completion — 24 HR.
Casing Hammer: NA — Weight (lbs): NA — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: 5' Macrocore	Inspecting Engineer: J.P. Diggins
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+6.4		0						
	+6.0	0-0.4' Concrete Slab							
		0.4-2.5' Dark brown to gray brown f-c SAND, trace concrete fragments, trace gravel, trace brick fragments, trace coal fragments, loose, moist, well graded (FILL)	1					1.7	SB09_1-2 (10:30)
			2	1	5' Acetate Sleeve	30/60		7.2	
			3					2.7	
			4						
		5-6.5' Gray black f-m SAND, some gravel, loose, wet, well graded (FILL)	5						SB09_5-6 (10:35)
			6					27.1	
	-0.1	6.5-7.3' Black CLAY, some silt, trace f. sand, trace organics, plastic, moist, well graded (native)	7					3.0	
		7.3-7.5' Gray brown f-c SAND, trace gravel, loose, wet, well graded (native)	8	2	5' Acetate Sleeve	30/60		17.3	
			9						
		10-10.5' Same as above (7.3-7.5')	10						
		10.5-12.5' Gray brown CLAY, some f. silt, trace f. sand, trace organics, plastic, moist, well graded (native)	11					3.5	
			12					3.1	
	-6.1		13	3	5' Acetate Sleeve	30/60		3.4	
			14						
			15						End of Boring at 15 ft bgs
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NY\DATA4\170281401\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\44TH DRIVE RI BORING LOGS.GPJ 9/26/2014 2:39:37 PM Report: Log - LANGAN ...Template WVU BASEBALL SOIL LOGS.GPJ

APPENDIX E LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-21 9222B(97)/40CFR141.21(F)6i
	SM 18-21 9223B (97) (Colilert)
Standard Plate Count	SM 18-21 9215B
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 18-21 5310C (00)
Perchlorate	EPA 332.0 Rev. 1
Drinking Water Non-Metals	
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)

Serial No.: 48541

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals	
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2

Volatile Aromatics	
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons	
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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All approved analytes are listed below:

Acrylates		**Benzidines**	
Acrolein (Propenal)	EPA 624	Benzidine	EPA 625
	EPA 8260C		EPA 8270D
Acrylonitrile	EPA 624	**Chlorinated Hydrocarbon Pesticides**	
	EPA 8260C	4,4'-DDD	EPA 608
Ethyl methacrylate	EPA 8260C		EPA 8081B
Amines		4,4'-DDE	EPA 608
2-Nitroaniline	EPA 8270D		EPA 8081B
3-Nitroaniline	EPA 8270D	4,4'-DDT	EPA 608
4-Chloroaniline	EPA 8270D		EPA 8081B
4-Nitroaniline	EPA 8270D	Aldrin	EPA 608
Aniline	EPA 8270D		EPA 8081B
Carbazole	EPA 625	alpha-BHC	EPA 608
	EPA 8270D		EPA 8081B
Pyridine	EPA 625	alpha-Chlordane	EPA 8081B
	EPA 8270D	beta-BHC	EPA 608
Bacteriology			EPA 8081B
Coliform, Fecal	SM 18-21 9221E (99)	Chlordane Total	EPA 608
	SM 18-21 9222D (97)		EPA 8081B
Coliform, Total	SM 18-21 9221B (99)	delta-BHC	EPA 608
	SM 18-21 9222B (97)		EPA 8081B
Standard Plate Count	SM 18-21 9215B	Dieldrin	EPA 608
Benzidines			EPA 8081B
3,3'-Dichlorobenzidine	EPA 625	Endosulfan I	EPA 608
	EPA 8270D		EPA 8081B
		Endosulfan II	EPA 608

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Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 608
	EPA 8081B
Endrin	EPA 608
	EPA 8081B
Endrin aldehyde	EPA 608
	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 608
	EPA 8081B
Heptachlor epoxide	EPA 608
	EPA 8081B
Lindane	EPA 608
	EPA 8081B
Methoxychlor	EPA 608
	EPA 8081B
Toxaphene	EPA 608
	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-21 5220D (97)
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C

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Fuel Oxygenates	
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D
Low Level Polynuclear Aromatics	
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics	
Naphthalene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 18-21 2310B,4a (97)
Alkalinity	SM 18-21 2320B (97)
Chloride	EPA 300.0 Rev. 2.1
	SM 18-21 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 18-21 2340B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8270D
	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

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Nitroaromatics and Isophorone	
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	EPA 350.1 Rev. 2.0
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2-J
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0

Nutrient	
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 608

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Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 608 EPA 8082A
PCB-1232	EPA 608 EPA 8082A
PCB-1242	EPA 608 EPA 8082A
PCB-1248	EPA 608 EPA 8082A
PCB-1254	EPA 608 EPA 8082A
PCB-1260	EPA 608 EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625

Polynuclear Aromatics	
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D

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Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D
Priority Pollutant Phenols	
Phenol	EPA 625
	EPA 8270D
Residue	
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 624
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below.

Volatile Aromatics	
1,3-Dichlorobenzene	EPA 624
	EPA 8260C
1,4-Dichlorobenzene	EPA 624
	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 624
	EPA 8260C
Chlorobenzene	EPA 624
	EPA 8260C
Ethylbenzene	EPA 624
	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 624
	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 624
	EPA 8260C
Total Xylenes	EPA 624
	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 624
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethene	EPA 624
	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8011
	EPA 8260C
1,2-Dibromoethane	EPA 8011
	EPA 8260C
1,2-Dichloroethane	EPA 624
	EPA 8260C
1,2-Dichloropropane	EPA 624
	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethyl vinyl ether	EPA 624
	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatile Halocarbons		**Volatile Halocarbons**	
Bromochloromethane	EPA 8260C	Methylene chloride	EPA 8260C
Bromodichloromethane	EPA 624	Tetrachloroethene	EPA 624
	EPA 8260C		EPA 8260C
Bromoform	EPA 624	trans-1,2-Dichloroethene	EPA 624
	EPA 8260C		EPA 8260C
Bromomethane	EPA 624	trans-1,3-Dichloropropene	EPA 624
	EPA 8260C		EPA 8260C
Carbon tetrachloride	EPA 624	trans-1,4-Dichloro-2-butene	EPA 8260C
	EPA 8260C	Trichloroethene	EPA 624
Chloroethane	EPA 624		EPA 8260C
	EPA 8260C	Trichlorofluoromethane	EPA 624
Chloroform	EPA 624		EPA 8260C
	EPA 8260C	Vinyl chloride	EPA 624
Chloromethane	EPA 624		EPA 8260C
	EPA 8260C	**Volatiles Organics**	
cis-1,2-Dichloroethene	EPA 624	1,4-Dioxane	EPA 8260C
	EPA 8260C	2-Butanone (Methylethyl ketone)	EPA 8260C
cis-1,3-Dichloropropene	EPA 624	2-Hexanone	EPA 8260C
	EPA 8260C	4-Methyl-2-Pentanone	EPA 8260C
Dibromochloromethane	EPA 624	Acetone	EPA 8260C
	EPA 8260C	Carbon Disulfide	EPA 8260C
Dibromomethane	EPA 8260C	Cyclohexane	EPA 8260C
Dichlorodifluoromethane	EPA 624	Di-ethyl ether	EPA 8260C
	EPA 8260C	Methyl acetate	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C	Methyl cyclohexane	EPA 8260C
Methylene chloride	EPA 624		

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Volatiles Organics	
Vinyl acetate	EPA 8260C
Wastewater Metals I	
Barium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Cadmium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Calcium, Total	EPA 200.7 Rev. 4.4 EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Copper, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Iron, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Wastewater Metals I	
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 200.7 Rev. 4.4 EPA 6010C
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Nickel, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Potassium, Total	EPA 200.7 Rev. 4.4 EPA 6010C
Silver, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A
Sodium, Total	EPA 200.7 Rev. 4.4 EPA 6010C
Wastewater Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 6010C EPA 6020A

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Wastewater Metals II	
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals II	
Zinc, Total	EPA 6010C
	EPA 6020A
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Formaldehyde	EPA 8315A

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Wastewater Miscellaneous

Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A

Sample Preparation Methods

	EPA 3005A
	EPA 3015
	EPA 3510C
	EPA 5030B
	EPA 9010C
	EPA 9030B
	SM 18-20 4500-CN C
	SM 18-21 4500-NH3 B (97)

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1010A
	EPA 1030
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatic Hydrocarbons	
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C

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All approved analytes are listed below:

Metals I	
Manganese, Total	EPA 6010C EPA 6020A
Nickel, Total	EPA 6010C EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C EPA 6020A
Sodium, Total	EPA 6010C
Metals II	
Aluminum, Total	EPA 6010C EPA 6020A
Antimony, Total	EPA 6010C EPA 6020A
Arsenic, Total	EPA 6010C EPA 6020A
Beryllium, Total	EPA 6010C EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C EPA 6020A
Vanadium, Total	EPA 6010C EPA 6020A
Zinc, Total	EPA 6010C EPA 6020A

Metals III	
Cobalt, Total	EPA 6010C EPA 6020A
Molybdenum, Total	EPA 6010C EPA 6020A
Thallium, Total	EPA 6010C EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9012B EPA 9014
Formaldehyde	EPA 8315A
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270D EPA 8330
2,6-Dinitrotoluene	EPA 8270D

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Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Phthalate Esters	
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D

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WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichloropenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C

Serial No.: 48543

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE

All approved analytes are listed below:

Volatile Organics	
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260B
	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C
Sample Preparation Methods	
	EPA 3005A
	EPA 3050B
	EPA 3540C
	EPA 3546
	EPA 3580A
	EPA 5035A-H
	EPA 5035A-L
	EPA 9010C
	EPA 9030B

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Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category

ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270D
Benzidine	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

Serial No:: 49076

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ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Mineral	
Alkalinity	SM 18-21 2320B (97)

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-118	EPA 8082A
PCB-128	EPA 8082A
PCB-1016	EPA 8082A

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polychlorinated Biphenyls	
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Residue	
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Wastewater Metals I

Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Strontium, Total	EPA 6020A

Wastewater Metals II

Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 7470A
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A

Wastewater Metals III

Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A

Wastewater Miscellaneous

Specific Conductance	EPA 9050A
Turbidity	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 3020A
	EPA 3510C

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Halоethers	
4-Bromophenylphenyl ether	EPA 8270D

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All approved analytes are listed below:

Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Metals I	
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Total	EPA 7471B
	EPA 7474
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Miscellaneous	
Organic Carbon, Total	EPA 9060
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitroso-di-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1	EPA 8082A
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
Polychlorinated Biphenyls	
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D

Serial No.: 49077

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013
Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Priority Pollutant Phenols	
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D

Sample Preparation Methods
EPA 3050B
EPA 3051A
EPA 3540C
EPA 3570

Sample Preparation Methods
EPA 3580A

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Polychlorinated Biphenyls	
PCB-1016	EPA TO-10A
PCB-1221	EPA TO-10A
PCB-1232	EPA TO-10A
PCB-1242	EPA TO-10A
PCB-1248	EPA TO-10A
PCB-1254	EPA TO-10A
PCB-1260	EPA TO-10A
PCB-1262	EPA TO-10A
PCB-1268	EPA TO-10A
Polynuclear Aromatics	
Naphthalene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics	
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

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WADSWORTH CENTER

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NY Lab Id No: 11627

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS

All approved analytes are listed below:

Purgeable Halocarbons	
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
Acetaldehyde	EPA TO-15
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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APPENDIX F GROUNDWATER WELL CONSTRUCTION LOGS AND GROUNDWATER SAMPLING FORMS

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

WELL CONSTRUCTION SUMMARY

Well No. MW01

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: ∅
DRILLING AGENCY: Laurel Environmental	DATE STARTED: 12/2/13 — DATE FINISHED: 12/2/13
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Steve Bitetto
SIZE AND TYPE OF BIT: 2" Direct push	INSPECTOR: JP Diggins

METHOD OF INSTALLATION: Overdrill and drop 1"-diameter PVC well w/ prepack screens

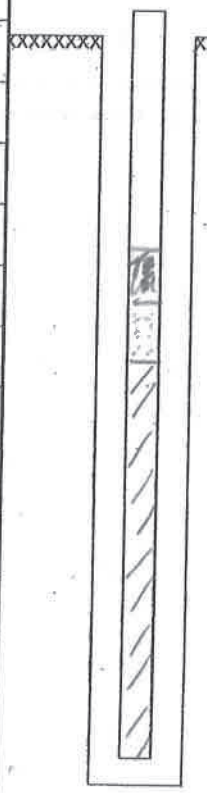
METHOD OF WELL DEVELOPMENT: Peristaltic pump and surge

TYPE OF CASING: ∅ — DIAMETER	TYPE OF BACKFILL MATERIAL: #2 Sand
TYPE OF SCREEN: Slotted — DIAMETER: 1"	TYPE OF SEAL MATERIAL: bentonite
BOREHOLE DIAMETER: 1"	TYPE OF FILTER MATERIAL: #1 Sand
TOP OF CASING: ∅ — ELEVATION — DEPTH	
TOP OF SEAL — ELEVATION — DEPTH: 6' bgs	
TOP OF FILTER — ELEVATION — DEPTH: 7' bgs	
TOP OF SCREEN — ELEVATION — DEPTH: 8' bgs	
BOTTOM OF BORING — ELEVATION — DEPTH: 13' bgs	
SCREEN LENGTH: 5'	
SLOT SIZE: 0.01"	

GROUNDWATER ELEVATIONS

ELEVATION	DATE

WELL DETAILS



SOIL CLASSIFICATION	DEPTH
Sand	0
Sand	6
	7
Sand	8
F. Sand	
Silt	13

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

WELL CONSTRUCTION SUMMARY

Well No. MW02

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: Ø
DRILLING AGENCY: Laurel Environmental	DATE STARTED: 12/2/13 — DATE FINISHED: 12/2/13
DRILLING EQUIPMENT: Geoprobe 6610DT	DRILLER: Steve B. Iteltto
SIZE AND TYPE OF BIT: 2" Direct Push	INSPECTOR: JP Diggins

METHOD OF INSTALLATION: Overdrill and drop 1"-diameter PVC well with prepack screen

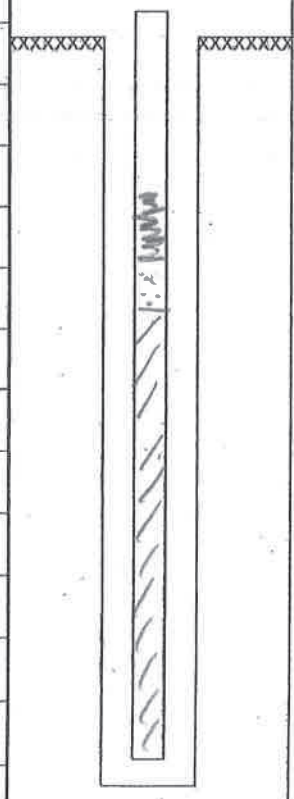
METHOD OF WELL DEVELOPMENT: Peristaltic pump and surge

TYPE OF CASING: Ø	DIAMETER	TYPE OF BACKFILL MATERIAL: #2 Sand	
TYPE OF SCREEN: Slotted	DIAMETER: 1"	TYPE OF SEAL MATERIAL: Bentonite	
BOREHOLE DIAMETER: 2"		TYPE OF FILTER MATERIAL: #1 Sand	

	ELEVATION	DEPTH
TOP OF CASING: Ø		
TOP OF SEAL		6' bgs
TOP OF FILTER		7' bgs
TOP OF SCREEN		8' bgs
BOTTOM OF BORING		13' bgs
SCREEN LENGTH: 5'		
SLOT SIZE: 0.01"		

GROUNDWATER ELEVATIONS

ELEVATION	DATE



SOIL CLASSIFICATION	DEPTH
Sand	6
Sand	7
	8
Sand	
Silt	13

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

WELL CONSTRUCTION SUMMARY

Well No. MW03

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: Ø
DRILLING AGENCY: Laurel Environmental	DATE STARTED: 12/2/13 — DATE FINISHED: 12/2/13
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Steve Bitetto
SIZE AND TYPE OF BIT: 2" Direct Push	INSPECTOR: JP Diggins

METHOD OF INSTALLATION: Overdrill and drop 1"-diameter PVC well with prepacked screen

METHOD OF WELL DEVELOPMENT: Peristaltic pump and surge

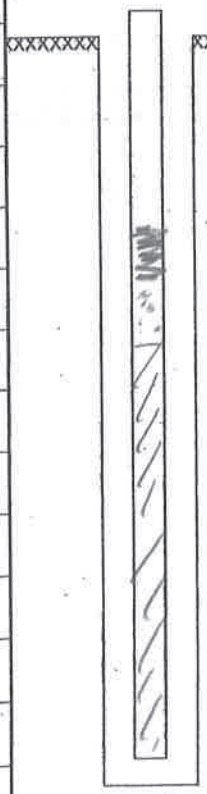
TYPE OF CASING: Ø	DIAMETER	TYPE OF BACKFILL MATERIAL: #2 Sand	
TYPE OF SCREEN: Slotted	DIAMETER: 1"	TYPE OF SEAL MATERIAL: Bentonite	
BOREHOLE DIAMETER: 2"		TYPE OF FILTER MATERIAL: #1 Sand	

TOP OF CASING: Ø	ELEVATION	DEPTH
TOP OF SEAL	ELEVATION	DEPTH: 6' bgs
TOP OF FILTER	ELEVATION	DEPTH: 7' bgs
TOP OF SCREEN	ELEVATION	DEPTH: 8' bgs
BOTTOM OF BORING	ELEVATION	DEPTH: 13' bgs
SCREEN LENGTH: 5'		
SLOT SIZE: 0.01"		

GROUNDWATER ELEVATIONS

ELEVATION	DATE

WELL DETAILS



SOIL CLASSIFICATION	DEPTH
Sand	0 5
	C
Sand	7
	8
(Sand	
Silt	
	13

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

WELL CONSTRUCTION SUMMARY

Well No. MW06

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: ∅
DRILLING AGENCY: Laurel Environmental	DATE STARTED: 12/3/13 / DATE FINISHED: 12/3/13
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Steve Bitello
SIZE AND TYPE OF BIT: 2" Direct push	INSPECTOR: JP Diggins

METHOD OF INSTALLATION: Overdrill and drop 1" diameter PVC well with prepacked screen

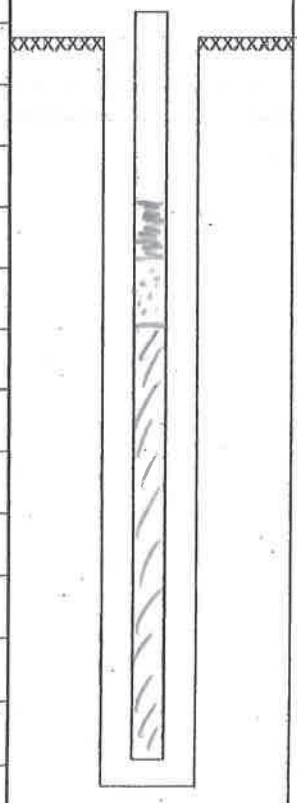
METHOD OF WELL DEVELOPMENT: Peristaltic pump and surge

TYPE OF CASING: ∅	DIAMETER	TYPE OF BACKFILL MATERIAL: #2 Sand	
TYPE OF SCREEN: Slotted	DIAMETER: 1"	TYPE OF SEAL MATERIAL: Bentonite	
BOREHOLE DIAMETER: 2"		TYPE OF FILTER MATERIAL: #1 Sand	
TOP OF CASING: ∅	ELEVATION	DEPTH	
TOP OF SEAL	ELEVATION	DEPTH: 3' bgs	
TOP OF FILTER	ELEVATION	DEPTH: 4' bgs	
TOP OF SCREEN	ELEVATION	DEPTH: 5' bgs	
BOTTOM OF BORING	ELEVATION	DEPTH: 10' bgs	
SCREEN LENGTH: 5'			
SLOT SIZE: 0.01"			

GROUNDWATER ELEVATIONS

ELEVATION	DATE

WELL DETAILS



SOIL CLASSIFICATION	DEPTH
Fill	3'
	4
	5
Sand	
f. Sand	
Silt	10

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

WELL CONSTRUCTION SUMMARY

Well No. MW07

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: ϕ
DRILLING AGENCY: Laurel Environmental	DATE STARTED: 12/3/13 — DATE FINISHED: 12/3/13
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Steve Bitetto
SIZE AND TYPE OF BIT: 2" Direct Push	INSPECTOR: JP Diggins

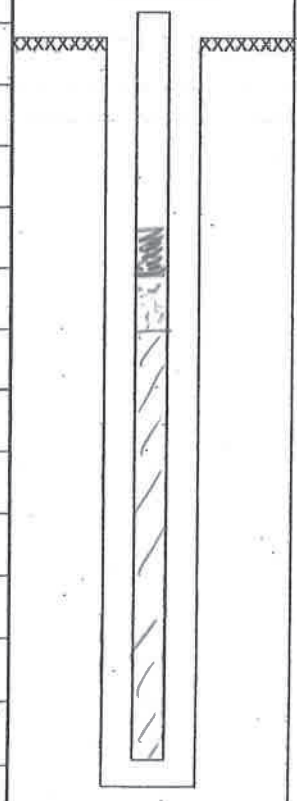
METHOD OF INSTALLATION: Overdrill and drop 1"-diameter PVC well with prepacked screen

METHOD OF WELL DEVELOPMENT: Peristaltic pump and surge

TYPE OF CASING: ϕ	DIAMETER	TYPE OF BACKFILL MATERIAL: #2 Sand	
TYPE OF SCREEN: Slotted	DIAMETER: 1"	TYPE OF SEAL MATERIAL: Bentonite	
BOREHOLE DIAMETER: 2"		TYPE OF FILTER MATERIAL: #1 Sand	
TOP OF CASING: ϕ	ELEVATION	DEPTH	
TOP OF SEAL	ELEVATION	DEPTH: 3' bgs	
TOP OF FILTER	ELEVATION	DEPTH: 4' bgs	
TOP OF SCREEN	ELEVATION	DEPTH: 5' bgs	
BOTTOM OF BORING	ELEVATION	DEPTH: 10' bgs	
SCREEN LENGTH: 5'			
SLOT SIZE: 0.01"			

GROUNDWATER ELEVATIONS

ELEVATION	DATE



SOIL CLASSIFICATION	DEPTH
Sand	3
Sand	4
	5
f. Sand	
Silt	
	10

LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW08

PROJECT: 27-21 49th Drive	PROJECT NO.: 170281401
LOCATION: Queens NY	ELEVATION AND DATUM: Ø
DRILLING AGENCY: AARCO Environmental Services	DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
DRILLING EQUIPMENT: Geoprobe 7822 DT	DRILLER: John Dougherty
SIZE AND TYPE OF BIT: 2.5" Direct Push	LANGAN REP.: S. Harrison

METHOD OF INSTALLATION

A geoprobe 7822 DT drill rig was used to advance boring to 18 ft. bgs, AARCO was instructed to install a bentonite seal from 5 to 7 ft. bgs with a 1 ft. sand pack. Well screen was set from 8 to 18 ft bgs.

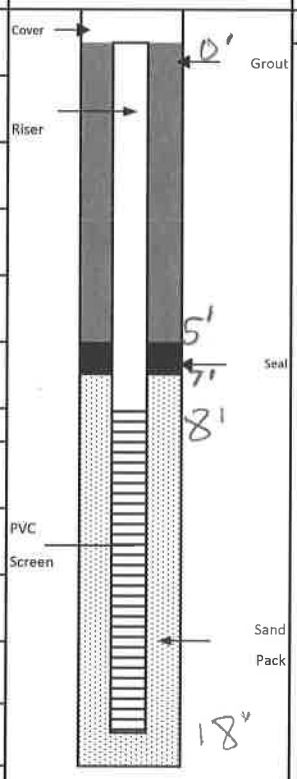
METHOD OF WELL DEVELOPMENT

Surged well with surge block and used a check valve to manually purge groundwater into 55 gallon drums on 3/7/14.

TYPE OF CASING: PVC DIAMETER: 1 inch	TYPE OF BACKFILL MATERIAL: No. 2 SAND
TYPE OF SCREEN: PVC DIAMETER: 1 inch	TYPE OF SEAL MATERIAL: Bentonite
BOREHOLE DIAMETER: 2.5"	TYPE OF FILTER MATERIAL: No. 2 SAND

	ELEVATION	DEPTH (ft)
TOP OF CASING	Ø	
TOP OF SEAL		5'
TOP OF FILTER		7'
TOP OF SCREEN		8'
BOTTOM OF BORING		18'
SCREEN LENGTH		10 ft
SLOT SIZE		0.01 in.

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

* Refer to EB01 Boring Log

DEPTH (FT)

0'
5'
7'
8'
18'

NTS

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

"Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.", or "Langan Engineering and Environmental Services, Inc.", or "Langan International, LLC", or "Treadwell & Rollo, a Langan Company", or "Langan Engineering & Environmental Services, Inc., PC" (collectively "Langan")

LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW09

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	ELEVATION AND DATUM: Ø
DRILLING AGENCY: AARCO Environmental Services	DATE STARTED: 3/7/14 DATE FINISHED: 3/7/14
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Chuck Blumberg
SIZE AND TYPE OF BIT: 2.5" Direct Push	LANGAN REP.: P. Farnham

METHOD OF INSTALLATION

A geoprobe 6610 DT drill rig was used to advance borhy to 15 ft. bgs. AARCO backfilled with No. 2 SAND from 15 to 13' bgs and dropped 1"-diameter prepacked screen from 13 to 3 ft. and installed hydrated bentonite from 3 to 1 ft. and No. 2 SAND from 1 ft bgs to grade level.

METHOD OF WELL DEVELOPMENT

Surged well with surge block and used a check valve to manually purge groundwater into 55-gallon drums on 3/7/14

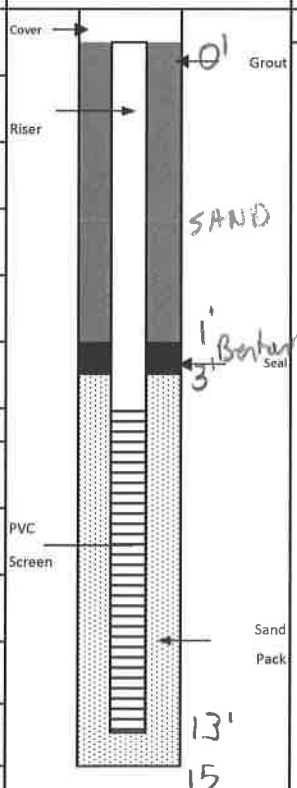
TYPE OF CASING: PVC DIAMETER: 1 inch	TYPE OF BACKFILL MATERIAL: No. 2 SAND
TYPE OF SCREEN: PVC DIAMETER: 1 inch	TYPE OF SEAL MATERIAL: Bentonite
BOREHOLE DIAMETER: 2.5"	TYPE OF FILTER MATERIAL: No. 2 SAND

	ELEVATION	DEPTH (ft)
TOP OF CASING	Ø	
TOP OF SEAL		1'
TOP OF FILTER		3'
TOP OF SCREEN		3'
BOTTOM OF BORING		15'
SCREEN LENGTH	10 ft	
SLOT SIZE	0.01 inch	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

~~See~~ See EB07 Borhy Log

NTS

DEPTH (FT)

0'
1'
3'
13' Bottom of screen
15' Bottom of Borhy

"Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.", or "Langan Engineering and Environmental Services, Inc.", or "Langan International, LLC", or "Treadwell & Rollo, a Langan Company", or "Langan Engineering & Environmental Services, Inc., PC" (collectively "Langan")

LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW10

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	ELEVATION AND DATUM: Ø
DRILLING AGENCY: AARCO Environmental Services	DATE STARTED: 3/7/14 DATE FINISHED: 3/7/14
DRILLING EQUIPMENT: Geoprobe 6610 DT	DRILLER: Chuck Blumberg
SIZE AND TYPE OF BIT: 2.5" Direct Push	LANGAN REP.: P. Farnham

METHOD OF INSTALLATION

A geoprobe 6610 DT drill rig was used to advance boring to 10 ft bgs. After 30 mins, the IP did not detect water; however, groundwater was detected @ 3.6' bgs in adjacent MW06. AARCO advanced boring to 14 ft bgs, dropped 10' of pre-packed screen (1" diameter) from 14 to 4 ft. and installed bentonite from 3 to 1 Ft.

METHOD OF WELL DEVELOPMENT

Surged well with surge block and used a check valve to manually purge groundwater into 55-gallon drums on 3/7/14.

TYPE OF CASING: PVC DIAMETER: 1 inch	TYPE OF BACKFILL MATERIAL: No. 2 SAND
TYPE OF SCREEN: PVC DIAMETER: 2 inch	TYPE OF SEAL MATERIAL: Bentonite
BOREHOLE DIAMETER: 2.5"	TYPE OF FILTER MATERIAL: No. 2 SAND

	ELEVATION	DEPTH (ft)
TOP OF CASING	Ø	
TOP OF SEAL		1'
TOP OF FILTER		3'
TOP OF SCREEN		4'
BOTTOM OF BORING		14'

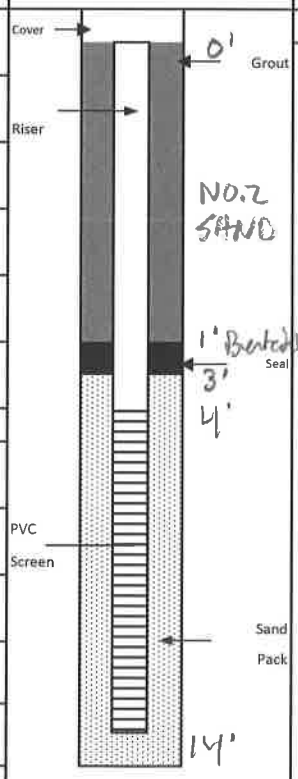
SCREEN LENGTH: 10'

SLOT SIZE: 0.01 inch

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

~~See~~ See EB04 boring log

NTS

DEPTH (FT)

0'
1'
3'
14' Bottom of screen & boring

"Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.", or "Langan Engineering and Environmental Services, Inc.", or "Langan International, LLC", or "Treadwell & Rollo, a Langan Company", or "Langan Engineering & Environmental Services, Inc., PC" (collectively "Langan")

LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW11

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	ELEVATION AND DATUM: B
DRILLING AGENCY: AARCO Environmental Services	DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
DRILLING EQUIPMENT: geoprobe 7822DT	DRILLER: John Dougherty
SIZE AND TYPE OF BIT: 2.5" Direct Push	LANGAN REP.: S. Harrison

METHOD OF INSTALLATION

A geoprobe 7822DT drill rig was used to advance boring to 13.5 ft bgs. AARCO dropped 10 ft of prepacked well screen (1" diameter) from 13.5 to 3.5 ft bgs and installed hydrated bentonite from 2.5 to 1.5 ft and filter pack from 1.5 ft bgs to grade level.

METHOD OF WELL DEVELOPMENT

Surged well with surge block and used a check valve to manually purge groundwater into 55 gallon drums on 3/7/14.

TYPE OF CASING: PVC DIAMETER: 1 inch	TYPE OF BACKFILL MATERIAL: No. 2 SAND
TYPE OF SCREEN: PVC DIAMETER: 1 inch	TYPE OF SEAL MATERIAL: Bentonite
BOREHOLE DIAMETER: 2.5"	TYPE OF FILTER MATERIAL: No. 2 SAND

	ELEVATION	DEPTH (ft)
TOP OF CASING		0
TOP OF SEAL		1.5'
TOP OF FILTER		2.5'
TOP OF SCREEN		3.5'
BOTTOM OF BORING		13.5

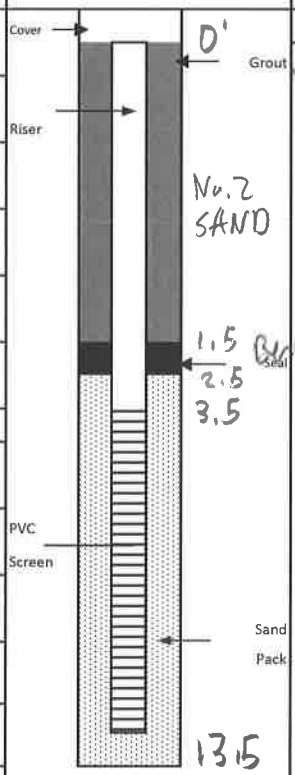
SCREEN LENGTH: 10'

SLOT SIZE: 0.01 inch

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

~~See~~ See EB05 boring log

NTS

DEPTH (FT)

0'
1.5'
2.5'
3.5'
13.5

"Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.", or "Langan Engineering and Environmental Services, Inc.", or "Langan International, LLC", or "Treadwell & Rollo, a Langan Company", or "Langan Engineering & Environmental Services, Inc., PC" (collectively "Langan")

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW01 **Date:** 12/16/13 **Total Depth (ft):** 15ft
Project Number: 170281401 **PID Headspace Reading:** 0.0 **Pump Intake Depth (ft):** 10.5'
Site Location: 27-21 44th Drive **Initial Water Level (ft):** 6.95 **Purge Volume (gal):** 3.3 gal

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE 9-L mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
10:55	7.16	1.33	191	4.9	16.23	142	0.25	12.8	
1100	7.03	1.34	12.6	4.74	16.53	136	0.125	9.8	
1105	7.02	1.34	173	4.01	16.75	132	0.25	9.8	
1110	7.01	1.35	67	6.98	14.93	144	0.125	13	
1115	7.03	1.35	30	8.03	14.43	141	0.125	8	
1120	7.00	1.35	22.3	4.44	15.95	135	<0.125	4.8	
1125	6.99	1.34	1.6	2.65	16.05	122	<0.125	5.75	
1130	6.97	1.34	0.0	1.85	16.11	108	<0.125	5.50	
1135	6.84	1.33	0.0	1.20	16.02	101	<0.125	5.25	
1140	6.90	1.33	0.0	1.07	15.94	99	<0.125	5.75	
1145	6.95	1.33	0.0	1.83	16.25	97	<0.125	5.75	
1150	6.96	1.33	0.0	1.21	16.16	96	<0.125	8.3	
1155	6.96	1.33	0.0	1.07	16.05	93	<0.125	8.6	
1200	6.96	1.33	0.0	1.05	16.02	91	<0.125	8.3	
1205	6.96	1.33	0.0	1.22	16.05	93	<0.125	8.3	
1210	6.96	1.33	0.0	1.04	16.26	91	<0.125	8.3	
1215	6.96	1.33	65.8	1.08	15.68	90	<0.125	—	
1220	6.96	1.33	4.9	1.08	15.69	90	<0.125	—	
1225	6.96	1.33	0.0	1.08	15.68	91	<0.125	—	

Sample Time: (1235)

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW02
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 12/10/13
PID Headspace Reading: 0.0
Initial Water Level (ft): 9.85

Total Depth (ft): 15.21
Pump Intake Depth (ft):
Purge Volume (gal): 2 3-1

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE ~~mL/min~~	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
1235	6.88	1.39	7.5	2.07	13.02	172	0.25	10.2	
1240	6.99	1.38	6.7	1.89	13.68	145	0.25	10.2	
1245	6.99	1.38	4.9	1.89	13.41	131	0.125	10.3	
1250	6.99	1.39	0.0	1.71	13.72	98	0.125	10.3	
1255	7.00	1.39	0.0	1.63	13.63	92	0.125	10.3	

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Sample Time: 1400

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW03
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 12/10/13
PID Headspace Reading: 0.0
Initial Water Level (ft): 10.00
5ft = 1.8 gal

Total Depth (ft): 14.8
Pump Intake Depth (ft): 12.00
Purge Volume (gal): 2

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
1250	7.11	1.00	86.9	24.09	11.52	24	200	10.00	
1255	6.99	1.01	62.8	5.85	12.25	27	200	10.00	
1300	6.90	1.02	26.6	3.98	12.77	29	200	10.00	
1305	6.89	1.03	9.0	3.43	13.06	31	200	10.00	
1310	6.83	1.03	6.4	3.16	13.23	33	200	10.00	
1315	6.85	1.03	6.1	3.06	13.25	35	200	10.00	
1320	6.82	1.03	6.0	2.96	13.27	37	200	10.00	
1325	6.84	1.03	6.2	2.96	13.17	42	200	1000	
1330	6.82	1.03	6.0	2.94	13.15	43	200	1000	
1335	6.82	1.03	6.1	2.98	13.15	42	200	1000	
1340									
1345									

Sample Time (1345)

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW06/DUP02 **Date:** 12/10/13 **Total Depth (ft):** 9.8'
Project Number: 170281401 **PID Headspace Reading:** 0.0 **Pump Intake Depth (ft):** 7'
Site Location: 27-21 44th Drive **Initial Water Level (ft):** 2.9 **Purge Volume (gal):** 2.5

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
0905	6.99	0.975	347	3.60	15.54	-12	200	2.9	Slight odor
0910	7.19	0.96	289	1.85	15.19	-77	200	2.9	
0915	7.22	0.947	199	1.44	15.00	-99	150	2.9	
0920	7.27	0.974	131	1.11	14.79	-120	150	2.9	
0925	7.30	0.989	106	0.99	14.66	-129	150	2.9	
0930	7.29	0.997	92	0.88	14.55	-136	150	2.9	
0935	7.28	1.01	72	0.80	14.49	-139	150	2.9	
0940	7.25	1.01	47	0.80	14.34	-142	150	2.9	
0945	7.26	1.01	42	0.80	14.33	-141	150	2.9	
0950	7.25	1.01	41	0.81	14.33	-143	150	2.9	

Sample Time: 0950

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW07
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 12/10/13
PID Headspace Reading: 0.0
Initial Water Level (ft): 2.8

Total Depth (ft): 9.7
Pump Intake Depth (ft): 7.5
Purge Volume (gal):

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
1110	7.29	0.877	533	5.28	13.63	150	200	2.8	
1115	7.08	0.844	161	1.37	14.78	-95	200	2.8	
1120	7.05	0.847	89.1	1.16	15.00	-109	200	2.8	
1125	7.04	0.847	20.5	0.92	15.07	-115	200	2.8	
1130	7.03	0.847	16.9	0.83	15.09	-116	200	2.8	
1135	7.03	0.846	13.7	0.79	15.21	-121	200	2.8	
1140	7.03	0.846	12.2	0.71	15.23	-122	200	2.8	
1145	7.03	0.846	12.1	0.72	15.22	-125	200	2.8	
1150	7.03	0.846	11.8	0.72	15.23	-124	200	2.8	
1155	7.03	0.846	11.9	0.72	15.22	-123	200	2.8	

NOTES:

Sample Time (1155)

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW08
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 3/14/2014
PID Headspace Reading: 0.0 ppm
Initial Water Level (ft): 15.98 ft

Total Depth (ft): 18' (10ft of screen)
Pump Intake Depth (ft):
Purge Volume (gal): 8 gallons

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
1300	7.76	1.58	154	12.32	8.11	-47			
1305	7.45	1.78	45.1	9.76	9.00	-60			
1310	7.30	2.46	3.0	3.29	8.98	-92			
1315	7.13	2.48	0.0	1.97	9.01	-90			
1320	7.12	2.50	0.0	1.91	9.07	-93			
1325	7.11	2.51	0.0	1.87	9.05	-93			
1330	7.10	2.51	0.0	1.85	9.07	-93			
1335	7.10	2.50	0.0	1.85	9.05	-92		16.25	
								~8 gallons	
Collected MW08_031414 @ 1340									
						3/14/2014			
						SH			

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW89
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 3/14/2014
PID Headspace Reading: 112.0 ppm
Initial Water Level (ft): 3.26 ft

Total Depth (ft): 13'
Pump Intake Depth (ft): ~
Purge Volume (gal): ~9 gallons

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE mL/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. 250 mL/min	stable	
1140	~~3.46~~	0.356	48.2	4.32	7.27	-197			Pump on 1135
1145	~~9.92~~	0.328	0.8	2.45	7.92	-257			Pump off 1149
1150	9.10	0.326	0.0	2.28	7.97	-255			
1155	9.27	0.324	0.0	1.97	7.95	-255			~
1200	9.19	0.321	0.0	1.82	8.58	-277			
1205	9.22	0.321	0.0	1.77	8.07	-283			
1210	9.16	0.321	0.0	1.75	8.07	-286			
1215	9.14	0.321	0.0	1.73	8.09	-287			
1220	9.13	0.320	0.0	1.70	8.09	-290			
								3.63 ft	
Collect Sample @ 12:25								~9 Gallons	
				3/14/14 SH					

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW10
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: 3/14/2014
PID Headspace Reading: 0.5
Initial Water Level (ft): 5.43

Total Depth (ft): 14ft (10ft of screen)
Pump Intake Depth (ft):
Purge Volume (gal): ~2 gallons

TIME	pH *	COND. (ms/cm)	Turbidity (NTUs)	Dis. Oxygen (ppm)	TEMP. (°C)	ORP (mV)	PURGE RATE gal/~~ml~~/min	Depth to Water feet	NOTES
	+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10 mV	approx. ~~250~~ mL/min	stable	
0935	7.57	2.19	729	14.68	6.73	-99			
1000	7.72	2.18	560	15.14	7.24	-113			* very slow recharge.
1005	7.81	2.18	520	15.90	6.80	-120			
1010	7.91	2.15	360	16.18	6.69	-124			
1015	8.08	2.17	144	16.32	6.68	-123			@ 10:15 only 1/2 gallon purged.
1020	8.16	2.09	770	16.25	6.81	-125			
1025	8.19	2.14	490	16.36	6.93	-127			
1030	8.21	2.03	50.9	15.90	7.00	-130			
1035	8.21	2.11	34.8	16.23	7.04	-130			
1040	8.21	2.11	31.5	16.31	7.05	-130			
1045	8.23	2.13	30.6	16.29	7.05	-130			
1050	8.23	2.11	28.9	16.31	7.06	-130			
1055	8.23	2.14	29.1	16.34	7.05	-130		6.13ft. ~2 gallons purged	
Collected Sample @ 1100									While sampling well continues to dry up.
							SH 3/14/2014		

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

1" = 0.041 gal/ft

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

MONITORING WELL SAMPLING FORM

Well No: MW11
Project Number: 170281401
Site Location: 27-21 44th Drive

Date: ~~[illegible]~~ SH ~~[illegible]~~ 3/14/2014
PID Headspace Reading: 0.2
Initial Water Level (ft): 7.95

Total Depth (ft): 13.5 ft 10 ft of screen
Pump Intake Depth (ft):
Purge Volume (gal): 2 10 gallons

TIME	pH * +/- 0.1 unit	COND. (ms/cm) +/- 3%	Turbidity (NTUs) +/- 10%	Dis. Oxygen (ppm) +/- 10%	TEMP. (°C) +/- 3%	ORP (mV) +/- 10 mV	PURGE RATE mL/min approx. 250 mL/min	Depth to Water feet stable	NOTES
08:50	6.52	0.769	45.6	17.43	3.65	141			* since casing is 1" diameter, unable to continue to collect water depth measurements because the 1" could not fit down the casing
08:55	6.93	0.737	0.0	12.24	3.34	107			
09:00	6.92	0.737	0.0	11.58	3.37	105			
0905	6.92	0.939	0.0	10.89	3.45	103			
0910	6.92	0.941	0.0	10.64	3.49	103			
0915	6.92	0.943	0.0	10.50	3.51	101			
0920	6.92	0.943	0.0	10.47	3.53	100			
0925	6.92	0.943	0.0	10.46	3.53	100			
								8.1 ft ~10 gallons	Collected MW11_031414 @ 09:30
									Also collected DUP01_031414
									3/14/2014
									SH

NOTES:

1. Stabilization is achieved after all parameters have stabilized for three successive readings.
2. Dissolved Oxygen stabilization = 10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized)
3. Turbidity (10% for values greater than 5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized)
4. The pump's flow rate must be able to "turn over" at least one flow-through-cell volume between measurements (every five minutes). Flow cell volume for the Horiba U-52 is 250 mL.

1" casing = 0.041 gal/ft

APPENDIX G SOIL VAPOR POINT CONSTRUCTION AND VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM: Ø
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental	INSTALLATION DATE STARTED: 12/3/2013 DATE FINISHED: 12/3/2013
INSTALLATION FOREMAN: Steve Bifetto	SAMPLE DATE STARTED: 12/10/2013 DATE FINISHED: 12/10/2013
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: J P Diggins	SAMPLER: J P Diggins
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Sunny 30°F

METHOD OF INSTALLATION AND PURGING: Probe, filterpack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi rae (0.2 L/MIN); integrity of seal was checked via helium tracer test

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	—	
PURGE FLOW RATE (ML/MIN):	—	
PID AFTER PURGE (PPM):	—	
HELIUM TEST IN BUCKET(%):	Before Sample: — After Sample: —	
HELIUM TEST IN TUBE (PPM):	Before Sample: — After Sample: —	
SAMPLE START DATE/TIME:	12/10/2013 09:10	
SAMPLE STOP DATE/TIME:	12/10/2013 10:53	
TOTAL SAMPLE TIME (MIN):	103	
FLOW RATE (L/MIN):	0.06	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	—	
SAMPLE MOISTURE CONTENT:	—	
CAN SERIAL NUMBER:	1522	
REGULATOR SERIAL NUMBER:	0337	
CAN START VACUUM PRESS. (" HG):	-26.33	
CAN STOP VACUUM PRESS. (" HG):	-1.89	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
	Bentonite	
~~Top of Seal~~		
Top of Pack	3'	
	No. 2 SAND	
	4'	

SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV02

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM: Ø
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental	INSTALLATION DATE STARTED: 12/3/2013 DATE FINISHED: 12/3/2013
INSTALLATION FOREMAN: Steve Bifetto	SAMPLE DATE STARTED: 12/10/2013 DATE FINISHED: 12/10/2013
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: JP Diggins	SAMPLER: JP Diggins
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Sunny 30°F

METHOD OF INSTALLATION AND PURGING: Probe, filterpack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi rae (0.2 L/MIN); integrity of seal was checked via helium tracer test

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	—	
PURGE FLOW RATE (ML/MIN):	—	
PID AFTER PURGE (PPM):	—	
HELIUM TEST IN BUCKET(%):	Before Sample: —	After Sample: —
HELIUM TEST IN TUBE (PPM):	Before Sample: —	After Sample: —
SAMPLE START DATE/TIME:	12/10/2013 09:44	
SAMPLE STOP DATE/TIME:	12/10/2013 11:40	
TOTAL SAMPLE TIME (MIN):	116	
FLOW RATE (L/MIN):	0.052	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	—	
SAMPLE MOISTURE CONTENT:	—	
CAN SERIAL NUMBER:	1811	
REGULATOR SERIAL NUMBER:	0591	
CAN START VACUUM PRESS. (" HG):	-29.59	
CAN STOP VACUUM PRESS. (" HG):	-5.81	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0'	
Bentonite		
~~Top of Seal~~		
Top of Pack	3'	
No. 2 SAND		
	4'	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV03

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM: Ø
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental	INSTALLATION DATE STARTED: 12/3/2013 DATE FINISHED: 12/3/2013
INSTALLATION FOREMAN: Steve Bifetto	SAMPLE DATE STARTED: 12/10/2013 DATE FINISHED: 12/10/2013
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: JP Diggins	SAMPLER: JP Diggins
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Sunny 30°F

METHOD OF INSTALLATION AND PURGING: Probe, filterpack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi rae (0.2 L/MIN); integrity of seal was checked via helium tracer test

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	—	
PURGE FLOW RATE (ML/MIN):	—	
PID AFTER PURGE (PPM):	—	
HELIUM TEST IN BUCKET(%):	Before Sample: —	After Sample: —
HELIUM TEST IN TUBE (PPM):	Before Sample: —	After Sample: —
SAMPLE START DATE/TIME:	12/10/2013 10:13	
SAMPLE STOP DATE/TIME:	12/10/2013 12:10	
TOTAL SAMPLE TIME (MIN):	117	
FLOW RATE (L/MIN):		
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	—	
SAMPLE MOISTURE CONTENT:	—	
CAN SERIAL NUMBER:	760	
REGULATOR SERIAL NUMBER:	0167	
CAN START VACUUM PRESS. (" HG):	-29.44	
CAN STOP VACUUM PRESS. (" HG):	-21.87	

SAMPLE LOCATION SKETCH

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0'	
~~Top of Seal~~	Bentonite	
Top of Pack	~4"	
	No. 2 SAND	
SURFACE	~1'	

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV04

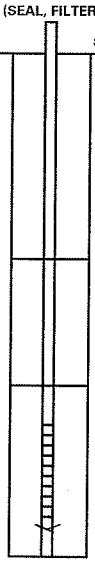
PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM: Ø
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental	INSTALLATION DATE STARTED: 12/3/2013 DATE FINISHED: 12/3/2013
INSTALLATION FOREMAN: Steve Bifetto	SAMPLE DATE STARTED: 12/10/2013 DATE FINISHED: 12/10/2013
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: JP Diggins	SAMPLER: JP Diggins
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Sunny 30°F

METHOD OF INSTALLATION AND PURGING:
Probe, filterpack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi rae (0.2 L/MIN); integrity of seal was checked via helium tracer test

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	—	
PURGE FLOW RATE (ML/MIN):	—	
PID AFTER PURGE (PPM):	—	
HELIUM TEST IN BUCKET(%):	Before Sample: —	After Sample: —
HELIUM TEST IN TUBE (PPM):	Before Sample: —	After Sample: —
SAMPLE START DATE/TIME:	12/10/2013 10:20	
SAMPLE STOP DATE/TIME:	12/10/2013 12:15	
TOTAL SAMPLE TIME (MIN):	115	
FLOW RATE (L/MIN):	0.052	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):		
SAMPLE MOISTURE CONTENT:	—	
CAN SERIAL NUMBER:	1614	
REGULATOR SERIAL NUMBER:	0318	
CAN START VACUUM PRESS. (" HG):	-29.10	
CAN STOP VACUUM PRESS. (" HG):	-1.58	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
	Bentonite	
~~Top of Seal~~		
Top of Pack	~4"	
	No. 2 SAND	
	~1'	



SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV05

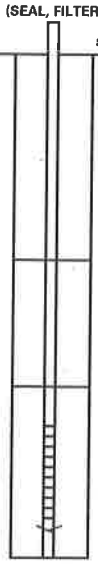
PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: ARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: Chuck Blumberg	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: P. Farnham	SAMPLER: P. Farnham
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, M.t 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING: Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged using multi RAE (0.2 L/min); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09
PURGE FLOW RATE (ML/MIN):	700
PID AFTER PURGE (PPM):	0.0
HELIUM TEST IN BUCKET(%):	Before Sample: 73.3 After Sample: 9.8
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/2014 16:37
SAMPLE STOP DATE/TIME:	3/7/2014 17:45
TOTAL SAMPLE TIME (MIN):	68
FLOW RATE (L/MIN):	0.088
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	—
CAN SERIAL NUMBER:	1638
REGULATOR SERIAL NUMBER:	0318
CAN START VACUUM PRESS. (" HG):	-29.79
CAN STOP VACUUM PRESS. (" HG):	-3.00

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
Bentonite		
~~Top of Seal~~		
Top of Pack	1'	
No. 2 SAND		
	2'	



SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV06

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: Chuck Blumberg	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: P. Farnham	SAMPLER: P. Farnham
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, M.D 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING: Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi RAE (0.2 L/MIN); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.3	
HELIUM TEST IN BUCKET(%):	Before Sample: 19.4	After Sample: 25.6
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0	After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/2014	16:47
SAMPLE STOP DATE/TIME:	3/7/2014	18:47
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	-	
CAN SERIAL NUMBER:	746	
REGULATOR SERIAL NUMBER:	0169	
CAN START VACUUM PRESS. (" HG):	-29.84	
CAN STOP VACUUM PRESS. (" HG):	-7.05	

SAMPLE LOCATION SKETCH

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'	
Bentonite		
~~Bottom of Seal~~		
Top of Pack	1'	
No. 2 SAND		
	2'	

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV07

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: Chuck Blumberg	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION EQUIPMENT: Geoprobe 6610DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: P. Farnham	SAMPLER: P. Farnham
POTENTIAL SAMPLE INTERFERENCES: NONE	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, Mid 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING:
Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 6610DT rig and purged with multi RAE (0.2 L/min); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID X 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.2	
HELIUM TEST IN BUCKET(%):	Before Sample: 18.6	After Sample: 34.8
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0	After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/14	15:42
SAMPLE STOP DATE/TIME:	3/7/14	17:12
TOTAL SAMPLE TIME (MIN):	90	
FLOW RATE (L/MIN):	0.067	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.9	
SAMPLE MOISTURE CONTENT:	-	
CAN SERIAL NUMBER:	739	
REGULATOR SERIAL NUMBER:	0016	
CAN START VACUUM PRESS. (" HG):	-30.57	
CAN STOP VACUUM PRESS. (" HG):	-2.96	

SAMPLE LOCATION SKETCH

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
	Bentonite	
~~Top of Seal~~		
Top of Pack	1'	
	No. 2 SAND	
	2'	

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV08 / SV08B

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: Chuck Blumberg	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: P. Farnham	SAMPLER: P. Farnham
POTENTIAL SAMPLE INTERFERENCES: * See Notes	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, Mid 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING: Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi RAE (0.2 L/min); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.0	
HELIUM TEST IN BUCKET(%):	Before Sample: 23.2	After Sample: 18
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0	After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/2014	17:29
SAMPLE STOP DATE/TIME:	3/7/2014	18:40
TOTAL SAMPLE TIME (MIN):	71	
FLOW RATE (L/MIN):	0.085	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	-	
CAN SERIAL NUMBER:	574	
REGULATOR SERIAL NUMBER:	0070	
CAN START VACUUM PRESS. (" HG):	-29.45	
CAN STOP VACUUM PRESS. (" HG):	-1.97	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
~~Top of Seal~~	Bentonite	
Top of Pack	2'	
	No. 2 SAND	
	3'	

SAMPLE LOCATION SKETCH

NOTES

* Initial SV08 air canister started @ -29.07" @ 1908 and by 17:24 only dropped to -21.96". Since not enough vacuum was collected in order to analyze, SV08B was sampled and submitted to Alpha Analytical Labs.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV09

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM: 0
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: John Dougherty	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION EQUIPMENT: Geoprobe 7822 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: S. Harrison	SAMPLER: S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, Mid 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING: Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 7822DT rig and purged with MultiRAE (0.2 L/min); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.0	
HELIUM TEST IN BUCKET(%):	Before Sample: 20.6	After Sample: 29.6
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0	After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/14	15:03
SAMPLE STOP DATE/TIME:	3/7/14	16:05
TOTAL SAMPLE TIME (MIN):	62	
FLOW RATE (L/MIN):	0.097	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.9 ppm	
SAMPLE MOISTURE CONTENT:	-	
CAN SERIAL NUMBER:	1680	
REGULATOR SERIAL NUMBER:	0372	
CAN START VACUUM PRESS. (" HG):	-28.78	
CAN STOP VACUUM PRESS. (" HG):	-3.20	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'	
[redacted] Seal	Bentonite	
Top of Pack	2'	
	No. 2 SAND	
	3'	

SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-10

PROJECT: 27-21 41st Drive	PROJECT NO.: 170281401
LOCATION: Queens, NY	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: John Dougherty	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION EQUIPMENT: Geoprobe 7822DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: S. Harrison	SAMPLER: S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, Mid 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING: Probe, filter pack and seal installed in open borehole advanced with Geoprobe 7822 DT rig and purged with Multi Rae (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.0
HELIUM TEST IN BUCKET(%):	Before Sample: 19.3% After Sample: 18.9%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/14 11:32
SAMPLE STOP DATE/TIME:	3/7/14 12:32
TOTAL SAMPLE TIME (MIN):	60
FLOW RATE (L/MIN):	0.1
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	1851
REGULATOR SERIAL NUMBER:	0283
CAN START VACUUM PRESS. (" HG):	-29.31
CAN STOP VACUUM PRESS. (" HG):	-1.99

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Topsoil seal	0'	
Bentonite		
~~Top of Seal~~		
Top of Pack	3'	
No. 2 SAND		
	4'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe @ 4' bgs.

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV11

PROJECT: 27-21 44th Drive	PROJECT NO.: 170281401
LOCATION: Queens, New York	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	INSTALLATION DATE STARTED: 3/7/2014 DATE FINISHED: 3/7/2014
INSTALLATION FOREMAN: Chuck Blumberg	SAMPLE DATE STARTED: 3/7/2014 DATE FINISHED: 3/7
INSTALLATION EQUIPMENT: Geoprobe 6610 DT	TYPE OF SAMPLING DEVICE: 6 L Summa Canister
INSPECTOR: P. Farnham	SAMPLER: P. Farnham
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Overcast, mid 30's, 30.37 in

METHOD OF INSTALLATION AND PURGING:
Probe, filter pack, and seal installed in open borehole advanced with Geoprobe 6610 DT rig and purged with multi RAE (0.2 L/MIN); integrity of seal was checked via helium tracer test.

TUBING TYPE/DIAMETER: 3/16" ID x 1/4" OD	TYPE OF MATERIAL ABOVE SEAL: NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6" Stainless Steel SV probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 2.5"	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 SAND

PURGE VOLUME (L):	0.09	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.0	
HELIUM TEST IN BUCKET(%):	Before Sample: 29.7	After Sample: 30.8
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0	After Sample: 0.0
SAMPLE START DATE/TIME:	3/7/2014	16:22
SAMPLE STOP DATE/TIME:	3/7/2014	18:22
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	-	
CAN SERIAL NUMBER:	808	
REGULATOR SERIAL NUMBER:	6332	
CAN START VACUUM PRESS. (" HG):	-29.61	
CAN STOP VACUUM PRESS. (" HG):	-5.45	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE: Top of Seal	0'	
	Bentonite	
~~Top of Seal~~		
Top of Pack	1'	
	No. 2 SAND	
	2'	

SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

Soil Vapor Sample Log

Site: 27-21 44th Drive
Project No. 1702814.01

Location: Queens, NY
Sampler: AM, TB

Sample ID	Date	Regulator No.	Summa Canister No.	Start Time	Start Pressure (mm Hg)	Stop Time	Stop Pressure (mm Hg)	Pre-Purge Helium Reading (In chamber)	PID Reading (post-sampling)	Post-Sample Helium Reading (In chamber/At sample tube)
SV01	12/10	0337	1522	0910	-26.33	1053	-1.89			
SV02	"	0591	1811	0944	-29.59	1140	-5.81			
SV03	"	0167	760	1013	-29.44	1210	-4.87			
SV04	"	0318	1614	1020	-29.10	1215	-1.58			
AMBIENT	"	1875	0453	1155	-29.14	1350	-8.30			

Soil Vapor Sampling Log
Site Name: 27-21 44th Drive
Langan Project No.: 170381101

Sample ID	Date	Weather (Atmospheric Pressure)	Pre-Purge PID Reading - Sample Tubing (ppm)	Post-Purge Helium Reading Bucket (%)	Post-Purge Helium Reading - Sample Tubing (ppm)	Post-Purge PID Reading - Sample Tubing (ppm)	Summa Canister No.	Regulator No.	Start Time	Summa Canister Start Pressure	Stop Time	Summa Canister Stop Pressure	Post-Sampling Helium Reading Bucket (%)	Post-Sampling Helium Reading - Sample Tubing (ppm)	Post-Sampling PID Reading - Sample Tubing (ppm)
SV10_030714	3/7/14	Overcast, mid 30's Bar Press: 30.37"	0.0	19.3%	0.0	0.1	1851	0283	1132	-29.31	12:32	-1.99	18.9%	0.0	0.0
AA01_030714			—	—	—	—	1644	0036	14:00	-22.00	16:00	-2.99	—	—	—
SV09_030714			0.0	20.6%	0.0	0.0	1680	0372	15:03	-28.78	16:05	-3.2	29.6%	0.0	0.9
* SV08_030714			0.0	23.2%	0.0	0.0	1903	0649	15:18	-29.07	17:24	-2.96	—	—	—
SV07_030714			0.2	18.8%	0.0	1.8	739	0016	15:42	-30.57	17:17	-2.96	34.8%	0.0	0.9
SV11_030714			0.0	29.7%	0.0	0.0	808	0332	16:22	-29.61	18:22	-5.45	36.8%	0.0	0.0
SV05_030714			0.0	33.3%	0.0	0.0	1638	0318	16:37	-29.79	17:45	-3.0	9.8%	0.0	0.0
SV06_030714			0.3	19.4%	0.0	0.3	746	0169	16:47	-29.84	18:47	-7.05	25.8%	0.0	0.0
SV08B_030714	↓	↓	—	—	—	—	574	0070	17:29	-29.45	18:40	-1.97	16.8%	0.0	0.0

* Note: Sample SV08_030714 was not submitted to the lab for analysis. Sample SV08B_030714 was submitted instead.

APPENDIX H LABORATORY ANALYTICAL DATA REPORTS

ANALYTICAL REPORT

Lab Number:	L1324383
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	12/11/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324383-01	SB01_5-6	QUEENS, NY	12/02/13 13:10
L1324383-02	SB01_10-11	QUEENS, NY	12/02/13 13:15
L1324383-03	SB02_0-1	QUEENS, NY	12/02/13 11:40
L1324383-04	SB02_6-7	QUEENS, NY	12/02/13 12:00
L1324383-05	SB02_11-12	QUEENS, NY	12/02/13 12:05
L1324383-06	DUP01	QUEENS, NY	12/02/13 11:11
L1324383-07	SB03_1-2	QUEENS, NY	12/02/13 10:30
L1324383-08	SB03_7-8	QUEENS, NY	12/02/13 10:35
L1324383-09	SB04_0-1	QUEENS, NY	12/02/13 10:00
L1324383-10	SB04_5-6	QUEENS, NY	12/02/13 10:05
L1324383-11	SB05_1-2	QUEENS, NY	12/02/13 14:00
L1324383-12	TRIP BLANK	QUEENS, NY	12/02/13 00:00

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383
Project Number: 170281401 **Report Date:** 12/11/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 9, 2013, and includes the results of all requested analyses.

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

Volatile Organics

The WG657412-3 Method Blank, associated with L1324383-08, has a concentration above the reporting limis for bromomethane. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

Metals

The WG656801-1 Method Blank, associated with L1324383-03 through -11, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 12/11/13

ORGANICS

VOLATILES

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02
Client ID: SB01_10-11
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/13 21:05
Analyst: PP
Percent Solids: 90%

Date Collected: 12/02/13 13:15
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	1.1	J	ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	47		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	1.5		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.1	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	0.74	J	ug/kg	2.1	0.14	1
Chloroethane	ND		ug/kg	2.1	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	20		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02 Date Collected: 12/02/13 13:15

Client ID: SB01_10-11 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	42		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.1	0.16	1
4-Ethyltoluene	ND		ug/kg	4.1	0.12	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02 Date Collected: 12/02/13 13:15

Client ID: SB01_10-11 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03
Client ID: SB02_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/13 13:04
Analyst: PP
Percent Solids: 89%

Date Collected: 12/02/13 11:40
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03 Date Collected: 12/02/13 11:40

Client ID: SB02_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	ND		ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
1,4-Dioxane	ND		ug/kg	110	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03 Date Collected: 12/02/13 11:40

Client ID: SB02_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04
Client ID: SB02_6-7
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/13 13:32
Analyst: PP
Percent Solids: 76%

Date Collected: 12/02/13 12:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	1.3		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04 Date Collected: 12/02/13 12:00

Client ID: SB02_6-7 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	3.8	J	ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04 Date Collected: 12/02/13 12:00

Client ID: SB02_6-7 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05
Client ID: SB02_11-12
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/13 20:37
Analyst: PP
Percent Solids: 83%

Date Collected: 12/02/13 12:05
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	250		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	8.2		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.57	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.3	0.98	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	31		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.30	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05 Date Collected: 12/02/13 12:05

Client ID: SB02_11-12 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	15		ug/kg	1.2	0.19	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.60	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.25	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.70	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.99	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.3	0.96	1
Acrylonitrile	ND		ug/kg	12	0.30	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.99	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.15	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05 Date Collected: 12/02/13 12:05

Client ID: SB02_11-12 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06
Client ID: DUP01
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/13 20:09
Analyst: PP
Percent Solids: 81%

Date Collected: 12/02/13 11:11
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	41		ug/kg	1.2	0.17	1
Chlorobenzene	0.86	J	ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	0.89	J	ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.96	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.17	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	4.5		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06 Date Collected: 12/02/13 11:11

Client ID: DUP01 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.33	1
cis-1,2-Dichloroethene	3.2		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.2	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.2	0.69	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.95	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.20	1
4-Ethyltoluene	ND		ug/kg	4.9	0.14	1

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06
Client ID: DUP01
Sample Location: QUEENS, NY
Date Collected: 12/02/13 11:11
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07
Client ID: SB03_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/13 14:55
Analyst: PP
Percent Solids: 89%

Date Collected: 12/02/13 10:30
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.6	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.32	1
Chloroform	1.4	J	ug/kg	2.7	0.67	1
Carbon tetrachloride	ND		ug/kg	1.8	0.38	1
1,2-Dichloropropane	ND		ug/kg	6.4	0.42	1
Dibromochloromethane	ND		ug/kg	1.8	0.56	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.55	1
Tetrachloroethene	ND		ug/kg	1.8	0.26	1
Chlorobenzene	ND		ug/kg	1.8	0.63	1
Trichlorofluoromethane	ND		ug/kg	9.1	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.20	1
Bromodichloromethane	ND		ug/kg	1.8	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.23	1
1,1-Dichloropropene	ND		ug/kg	9.1	0.83	1
Bromoform	ND		ug/kg	7.3	0.76	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.31	1
Benzene	ND		ug/kg	1.8	0.21	1
Toluene	ND		ug/kg	2.7	0.20	1
Ethylbenzene	ND		ug/kg	1.8	0.27	1
Chloromethane	ND		ug/kg	9.1	1.4	1
Bromomethane	ND		ug/kg	3.6	0.62	1
Vinyl chloride	ND		ug/kg	3.6	0.26	1
Chloroethane	ND		ug/kg	3.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.38	1
Trichloroethene	ND		ug/kg	1.8	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	9.1	0.33	1
1,3-Dichlorobenzene	ND		ug/kg	9.1	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	9.1	0.44	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07 Date Collected: 12/02/13 10:30

Client ID: SB03_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.6	0.19	1
p/m-Xylene	ND		ug/kg	3.6	0.59	1
o-Xylene	ND		ug/kg	3.6	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.27	1
Dibromomethane	ND		ug/kg	18	0.30	1
Styrene	ND		ug/kg	3.6	0.56	1
Dichlorodifluoromethane	ND		ug/kg	18	0.40	1
Acetone	16	J	ug/kg	18	5.6	1
Carbon disulfide	ND		ug/kg	18	3.6	1
2-Butanone	ND		ug/kg	18	0.65	1
Vinyl acetate	ND		ug/kg	18	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.41	1
2-Hexanone	ND		ug/kg	18	0.34	1
Bromochloromethane	ND		ug/kg	9.1	0.36	1
2,2-Dichloropropane	ND		ug/kg	9.1	0.41	1
1,2-Dibromoethane	ND		ug/kg	7.3	0.32	1
1,3-Dichloropropane	ND		ug/kg	9.1	0.31	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.58	1
Bromobenzene	ND		ug/kg	9.1	0.38	1
n-Butylbenzene	ND		ug/kg	1.8	0.36	1
sec-Butylbenzene	ND		ug/kg	1.8	0.37	1
tert-Butylbenzene	ND		ug/kg	9.1	1.0	1
o-Chlorotoluene	ND		ug/kg	9.1	0.29	1
p-Chlorotoluene	ND		ug/kg	9.1	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	9.1	0.77	1
Isopropylbenzene	ND		ug/kg	1.8	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.35	1
Naphthalene	ND		ug/kg	9.1	1.4	1
Acrylonitrile	ND		ug/kg	18	0.43	1
n-Propylbenzene	ND		ug/kg	1.8	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.1	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.1	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.1	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.1	1.0	1
1,4-Dioxane	ND		ug/kg	180	32.	1
1,4-Diethylbenzene	ND		ug/kg	7.3	0.29	1
4-Ethyltoluene	ND		ug/kg	7.3	0.21	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07 Date Collected: 12/02/13 10:30

Client ID: SB03_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.3	0.24	1
Ethyl ether	ND		ug/kg	9.1	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.1	0.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	105		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08
Client ID: SB03_7-8
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:41
Analyst: PP
Percent Solids: 80%

Date Collected: 12/02/13 10:35
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08 Date Collected: 12/02/13 10:35

Client ID: SB03_7-8 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.4	0.83	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.13	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08 Date Collected: 12/02/13 10:35

Client ID: SB03_7-8 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-09	Date Collected:	12/02/13 10:00
Client ID:	SB04_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	12/06/13 15:51		
Analyst:	PP		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.20	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.28	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09 Date Collected: 12/02/13 10:00

Client ID: SB04_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	1.5	J	ug/kg	2.3	0.37	1
o-Xylene	0.75	J	ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.25	1
Acetone	200		ug/kg	11	3.6	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	0.41	1
Vinyl acetate	ND		ug/kg	11	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.22	1
Bromochloromethane	ND		ug/kg	5.7	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.23	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.7	0.64	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.48	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.7	0.88	1
Acrylonitrile	ND		ug/kg	11	0.27	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.90	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.13	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09 Date Collected: 12/02/13 10:00

Client ID: SB04_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-10	Date Collected:	12/02/13 10:05
Client ID:	SB04_5-6	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	12/06/13 16:19		
Analyst:	PP		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.87	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.27	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10 Date Collected: 12/02/13 10:05

Client ID: SB04_5-6 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	14		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	1.5	J	ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.87	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.85	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.87	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.18	1
4-Ethyltoluene	ND		ug/kg	4.4	0.13	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10 Date Collected: 12/02/13 10:05

Client ID: SB04_5-6 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11
Client ID: SB05_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/13 16:47
Analyst: PP
Percent Solids: 91%

Date Collected: 12/02/13 14:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11 Date Collected: 12/02/13 14:00

Client ID: SB05_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.3	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.24	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.21	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.59	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.83	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.3	0.81	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.83	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.60	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11 Date Collected: 12/02/13 14:00

Client ID: SB05_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04,07,09-11 Batch: WG657101-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.1	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04,07,09-11 Batch: WG657101-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	3.2	J	ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04,07,09-11 Batch: WG657101-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04,07,09-11 Batch: WG657101-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/13 11:49
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG657300-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/13 11:49
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG657300-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/13 11:49
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG657300-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/13 11:49
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG657300-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG657412-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	2.0		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG657412-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG657412-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG657412-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04,07,09-11 Batch: WG657101-1 WG657101-2								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	108		106		70-130	2		30
Chloroform	102		101		70-130	1		30
Carbon tetrachloride	95		93		70-130	2		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
2-Chloroethylvinyl ether	92		93		70-130	1		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	102		101		70-130	1		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	105		102		70-139	3		30
1,2-Dichloroethane	96		94		70-130	2		30
1,1,1-Trichloroethane	104		99		70-130	5		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	110		106		70-130	4		30
1,1-Dichloropropene	110		106		70-130	4		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	96		97		70-130	1		30
Benzene	109		106		70-130	3		30
Toluene	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04,07,09-11 Batch: WG657101-1 WG657101-2								
Ethylbenzene	101		101		70-130	0		30
Chloromethane	82		87		52-130	6		30
Bromomethane	108		106		57-147	2		30
Vinyl chloride	111		107		67-130	4		30
Chloroethane	127		125		50-151	2		30
1,1-Dichloroethene	113		106		65-135	6		30
trans-1,2-Dichloroethene	110		107		70-130	3		30
Trichloroethene	110		108		70-130	2		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	99		98		66-130	1		30
p/m-Xylene	104		103		70-130	1		30
o-Xylene	104		103		70-130	1		30
cis-1,2-Dichloroethene	108		107		70-130	1		30
Dibromomethane	104		104		70-130	0		30
Styrene	104		104		70-130	0		30
Dichlorodifluoromethane	65		64		30-146	2		30
Acetone	121		122		54-140	1		30
Carbon disulfide	100		98		59-130	2		30
2-Butanone	118		120		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04,07,09-11 Batch: WG657101-1 WG657101-2								
Vinyl acetate	109		108		70-130	1		30
4-Methyl-2-pentanone	106		104		70-130	2		30
1,2,3-Trichloropropane	92		95		68-130	3		30
2-Hexanone	96		98		70-130	2		30
Bromochloromethane	110		112		70-130	2		30
2,2-Dichloropropane	108		105		70-130	3		30
1,2-Dibromoethane	98		100		70-130	2		30
1,3-Dichloropropane	99		98		69-130	1		30
1,1,1,2-Tetrachloroethane	98		96		70-130	2		30
Bromobenzene	97		95		70-130	2		30
n-Butylbenzene	103		103		70-130	0		30
sec-Butylbenzene	104		103		70-130	1		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	99		98		70-130	1		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	93		93		68-130	0		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	101		100		70-130	1		30
p-Isopropyltoluene	104		103		70-130	1		30
Naphthalene	97		97		70-130	0		30
Acrylonitrile	110		105		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04,07,09-11 Batch: WG657101-1 WG657101-2								
Isopropyl Ether	109		107		66-130	2		30
tert-Butyl Alcohol	92		94		70-130	2		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	96		97		70-130	1		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
Methyl Acetate	101		101		51-146	0		30
Ethyl Acetate	106		104		70-130	2		30
Acrolein	109		108		70-130	1		30
Cyclohexane	111		108		59-142	3		30
1,4-Dioxane	102		107		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		104		50-139	3		30
1,4-Diethylbenzene	103		102		70-130	1		30
4-Ethyltoluene	102		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	101		100		70-130	1		30
Tetrahydrofuran	112		100		66-130	11		30
Ethyl ether	107		102		67-130	5		30
trans-1,4-Dichloro-2-butene	92		94		70-130	2		30
Methyl cyclohexane	114		110		70-130	4		30
Ethyl-Tert-Butyl-Ether	106		104		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04,07,09-11 Batch: WG657101-1 WG657101-2								
Tertiary-Amyl Methyl Ether	106		104		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	100		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657300-1 WG657300-2								
Methylene chloride	103		104		70-130	1		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	104		105		70-130	1		30
Carbon tetrachloride	95		97		70-130	2		30
1,2-Dichloropropane	109		107		70-130	2		30
Dibromochloromethane	96		93		70-130	3		30
2-Chloroethylvinyl ether	86		85		70-130	1		30
1,1,2-Trichloroethane	100		95		70-130	5		30
Tetrachloroethene	104		98		70-130	6		30
Chlorobenzene	102		99		70-130	3		30
Trichlorofluoromethane	112		111		70-139	1		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	104		105		70-130	1		30
Bromodichloromethane	102		103		70-130	1		30
trans-1,3-Dichloropropene	99		96		70-130	3		30
cis-1,3-Dichloropropene	108		107		70-130	1		30
1,1-Dichloropropene	109		109		70-130	0		30
Bromoform	88		89		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	110		108		70-130	2		30
Toluene	101		98		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657300-1 WG657300-2								
Ethylbenzene	102		99		70-130	3		30
Chloromethane	96		88		52-130	9		30
Bromomethane	125		112		57-147	11		30
Vinyl chloride	119		113		67-130	5		30
Chloroethane	130		129		50-151	1		30
1,1-Dichloroethene	114		111		65-135	3		30
trans-1,2-Dichloroethene	110		110		70-130	0		30
Trichloroethene	111		111		70-130	0		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	106		102		70-130	4		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	109		107		70-130	2		30
Dibromomethane	106		104		70-130	2		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	74		72		30-146	3		30
Acetone	123		109		54-140	12		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	116		104		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657300-1 WG657300-2								
Vinyl acetate	108		107		70-130	1		30
4-Methyl-2-pentanone	102		104		70-130	2		30
1,2,3-Trichloropropane	94		92		68-130	2		30
2-Hexanone	92		88		70-130	4		30
Bromochloromethane	114		112		70-130	2		30
2,2-Dichloropropane	108		107		70-130	1		30
1,2-Dibromoethane	100		96		70-130	4		30
1,3-Dichloropropane	98		95		69-130	3		30
1,1,1,2-Tetrachloroethane	100		97		70-130	3		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	100		99		70-130	1		30
sec-Butylbenzene	101		100		70-130	1		30
tert-Butylbenzene	99		99		70-130	0		30
o-Chlorotoluene	96		78		70-130	21		30
p-Chlorotoluene	97		96		70-130	1		30
1,2-Dibromo-3-chloropropane	90		90		68-130	0		30
Hexachlorobutadiene	96		93		67-130	3		30
Isopropylbenzene	97		97		70-130	0		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	93		92		70-130	1		30
Acrylonitrile	113		107		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657300-1 WG657300-2								
Isopropyl Ether	108		107		66-130	1		30
tert-Butyl Alcohol	98		91		70-130	7		30
n-Propylbenzene	100		98		70-130	2		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	94		92		70-130	2		30
1,3,5-Trimethylbenzene	99		97		70-130	2		30
1,2,4-Trimethylbenzene	98		96		70-130	2		30
Methyl Acetate	107		103		51-146	4		30
Ethyl Acetate	107		102		70-130	5		30
Acrolein	107		106		70-130	1		30
Cyclohexane	108		107		59-142	1		30
1,4-Dioxane	111		94		65-136	17		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		105		50-139	3		30
1,4-Diethylbenzene	100		98		70-130	2		30
4-Ethyltoluene	101		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		30
Tetrahydrofuran	120		100		66-130	18		30
Ethyl ether	107		109		67-130	2		30
trans-1,4-Dichloro-2-butene	89		88		70-130	1		30
Methyl cyclohexane	109		106		70-130	3		30
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657300-1 WG657300-2								
Tertiary-Amyl Methyl Ether	103		104		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	95		93		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG657412-1 WG657412-2								
Methylene chloride	98		101		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	96		97		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	92		94		70-130	2		30
2-Chloroethylvinyl ether	**57**	Q	**61**	Q	70-130	7		30
1,1,2-Trichloroethane	96		97		70-130	1		30
Tetrachloroethene	99		99		70-130	0		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	119		119		70-139	0		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	101		104		70-130	3		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	108		110		70-130	2		30
Bromoform	86		89		70-130	3		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	107		109		70-130	2		30
Toluene	97		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG657412-1 WG657412-2								
Ethylbenzene	98		99		70-130	1		30
Chloromethane	109		108		52-130	1		30
Bromomethane	120		117		57-147	3		30
Vinyl chloride	130		129		67-130	1		30
Chloroethane	135		135		50-151	0		30
1,1-Dichloroethene	113		114		65-135	1		30
trans-1,2-Dichloroethene	105		111		70-130	6		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	102		103		70-130	1		30
o-Xylene	100		103		70-130	3		30
cis-1,2-Dichloroethene	106		110		70-130	4		30
Dibromomethane	107		108		70-130	1		30
Styrene	101		101		70-130	0		30
Dichlorodifluoromethane	122		124		30-146	2		30
Acetone	113		113		54-140	0		30
Carbon disulfide	103		104		59-130	1		30
2-Butanone	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG657412-1 WG657412-2								
Vinyl acetate	107		111		70-130	4		30
4-Methyl-2-pentanone	101		109		70-130	8		30
1,2,3-Trichloropropane	88		92		68-130	4		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	111		112		70-130	1		30
2,2-Dichloropropane	106		108		70-130	2		30
1,2-Dibromoethane	96		99		70-130	3		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	97		98		70-130	1		30
tert-Butylbenzene	94		96		70-130	2		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30
Hexachlorobutadiene	91		92		67-130	1		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	98		97		70-130	1		30
Naphthalene	91		94		70-130	3		30
Acrylonitrile	105		116		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG657412-1 WG657412-2								
Isopropyl Ether	108		109		66-130	1		30
tert-Butyl Alcohol	89		96		70-130	8		30
n-Propylbenzene	96		97		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	91		91		70-130	0		30
1,3,5-Trimethylbenzene	93		94		70-130	1		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30
Methyl Acetate	102		105		51-146	3		30
Ethyl Acetate	104		109		70-130	5		30
Acrolein	107		111		70-130	4		30
Cyclohexane	111		113		59-142	2		30
1,4-Dioxane	97		105		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		112		50-139	0		30
1,4-Diethylbenzene	96		96		70-130	0		30
4-Ethyltoluene	95		95		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	110		119		66-130	8		30
Ethyl ether	104		106		67-130	2		30
trans-1,4-Dichloro-2-butene	90		94		70-130	4		30
Methyl cyclohexane	112		112		70-130	0		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG657412-1 WG657412-2								
Tertiary-Amyl Methyl Ether	102		103		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		93		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		104		70-130

SEMIVOLATILES

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-02	Date Collected:	12/02/13 13:15
Client ID:	SB01_10-11	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 13:33		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02 Date Collected: 12/02/13 13:15

Client ID: SB01_10-11 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02 Date Collected: 12/02/13 13:15

Client ID: SB01_10-11 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	88		18-120

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-03	Date Collected:	12/02/13 11:40
Client ID:	SB02_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 15:47		
Analyst:	PS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03 Date Collected: 12/02/13 11:40

Client ID: SB02_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03 Date Collected: 12/02/13 11:40

Client ID: SB02_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	105		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-04	Date Collected:	12/02/13 12:00
Client ID:	SB02_6-7	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/09/13 11:36
Analytical Date:	12/09/13 15:18		
Analyst:	RC		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	71.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	61.	1
2-Chloronaphthalene	ND		ug/kg	220	70.	1
1,2-Dichlorobenzene	ND		ug/kg	220	71.	1
1,3-Dichlorobenzene	ND		ug/kg	220	68.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	55.	1
Fluoranthene	ND		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	190	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	64.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	53.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04 Date Collected: 12/02/13 12:00

Client ID: SB02_6-7 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	490	71.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	58.	1
Dibenzofuran	ND		ug/kg	220	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	65.	1
2,4-Dichlorophenol	ND		ug/kg	190	70.	1
2,4-Dimethylphenol	ND		ug/kg	220	64.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	79.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	46.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04 Date Collected: 12/02/13 12:00

Client ID: SB02_6-7 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	69		0-136
4-Terphenyl-d14	63		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-05	Date Collected:	12/02/13 12:05
Client ID:	SB02_11-12	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 16:14		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05 Date Collected: 12/02/13 12:05

Client ID: SB02_11-12 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05 Date Collected: 12/02/13 12:05

Client ID: SB02_11-12 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	105		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-06	Date Collected:	12/02/13 11:11
Client ID:	DUP01	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 16:41		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06 Date Collected: 12/02/13 11:11

Client ID: DUP01 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06
Client ID: DUP01
Sample Location: QUEENS, NY
Date Collected: 12/02/13 11:11
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	103		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-07	Date Collected:	12/02/13 10:30
Client ID:	SB03_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 17:08		
Analyst:	PS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	2600		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	1100		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07 Date Collected: 12/02/13 10:30

Client ID: SB03_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	890		ug/kg	150	46.	1
Benzo(b)fluoranthene	1100		ug/kg	110	38.	1
Benzo(k)fluoranthene	380		ug/kg	110	36.	1
Chrysene	1300		ug/kg	110	37.	1
Acenaphthylene	92	J	ug/kg	150	35.	1
Anthracene	330		ug/kg	110	31.	1
Benzo(ghi)perylene	540		ug/kg	150	39.	1
Fluorene	110	J	ug/kg	190	54.	1
Phenanthrene	1800		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	150		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	540		ug/kg	150	42.	1
Pyrene	2600		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	75	J	ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	120	J	ug/kg	190	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07 Date Collected: 12/02/13 10:30

Client ID: SB03_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	116		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-08	Date Collected:	12/02/13 10:35
Client ID:	SB03_7-8	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 21:06		
Analyst:	PS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	67.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08 Date Collected: 12/02/13 10:35

Client ID: SB03_7-8 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	160	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	64.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08 Date Collected: 12/02/13 10:35

Client ID: SB03_7-8 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	94		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-09	Date Collected:	12/02/13 10:00
Client ID:	SB04_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 21:31		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	140		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	230		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	61	J	ug/kg	120	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09 Date Collected: 12/02/13 10:00

Client ID: SB04_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	64	J	ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	60	J	ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	70	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	110	J	ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09 Date Collected: 12/02/13 10:00

Client ID: SB04_0-1 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	5		0-136
4-Terphenyl-d14	97		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-10	Date Collected:	12/02/13 10:05
Client ID:	SB04_5-6	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 21:55		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10 Date Collected: 12/02/13 10:05

Client ID: SB04_5-6 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10 Date Collected: 12/02/13 10:05

Client ID: SB04_5-6 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	87		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-11	Date Collected:	12/02/13 14:00
Client ID:	SB05_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/04/13 17:23
Analytical Date:	12/06/13 22:20		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	82	J	ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	1200		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	520		ug/kg	110	36.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11 Date Collected: 12/02/13 14:00

Client ID: SB05_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	460		ug/kg	140	44.	1
Benzo(b)fluoranthene	570		ug/kg	110	37.	1
Benzo(k)fluoranthene	200		ug/kg	110	35.	1
Chrysene	540		ug/kg	110	36.	1
Acenaphthylene	50	J	ug/kg	140	34.	1
Anthracene	200		ug/kg	110	30.	1
Benzo(ghi)perylene	280		ug/kg	140	38.	1
Fluorene	71	J	ug/kg	180	52.	1
Phenanthrene	920		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	72	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	300		ug/kg	140	40.	1
Pyrene	1100		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	77	J	ug/kg	180	39.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324383

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11 Date Collected: 12/02/13 14:00

Client ID: SB05_1-2 Date Received: 12/02/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	79		18-120

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 11:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 12/04/13 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-11 Batch: WG656255-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 11:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 12/04/13 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-11 Batch: WG656255-1					
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 11:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 12/04/13 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-11 Batch: WG656255-1					
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	82		18-120

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/09/13 14:51
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/09/13 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG657335-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/09/13 14:51
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/09/13 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG657335-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/09/13 14:51
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/09/13 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG657335-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-11 Batch: WG656255-2 WG656255-3								
Acenaphthene	82		82		31-137	0		50
1,2,4-Trichlorobenzene	82		81		38-107	1		50
Hexachlorobenzene	110		112		40-140	2		50
Bis(2-chloroethyl)ether	60		60		40-140	0		50
2-Chloronaphthalene	90		88		40-140	2		50
1,2-Dichlorobenzene	73		72		40-140	1		50
1,3-Dichlorobenzene	71		71		40-140	0		50
1,4-Dichlorobenzene	72		72		28-104	0		50
3,3'-Dichlorobenzidine	59		62		40-140	5		50
2,4-Dinitrotoluene	**101**	Q	**98**	Q	28-89	3		50
2,6-Dinitrotoluene	102		103		40-140	1		50
Fluoranthene	100		101		40-140	1		50
4-Chlorophenyl phenyl ether	90		94		40-140	4		50
4-Bromophenyl phenyl ether	102		104		40-140	2		50
Bis(2-chloroisopropyl)ether	40		40		40-140	0		50
Bis(2-chloroethoxy)methane	67		66		40-117	2		50
Hexachlorobutadiene	87		89		40-140	2		50
Hexachlorocyclopentadiene	74		76		40-140	3		50
Hexachloroethane	68		68		40-140	0		50
Isophorone	69		66		40-140	4		50
Naphthalene	74		76		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-11 Batch: WG656255-2 WG656255-3								
Nitrobenzene	66		68		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	92		94			2		50
n-Nitrosodi-n-propylamine	65		64		32-121	2		50
Bis(2-Ethylhexyl)phthalate	76		77		40-140	1		50
Butyl benzyl phthalate	92		95		40-140	3		50
Di-n-butylphthalate	86		87		40-140	1		50
Di-n-octylphthalate	78		80		40-140	3		50
Diethyl phthalate	91		90		40-140	1		50
Dimethyl phthalate	90		91		40-140	1		50
Benzo(a)anthracene	87		88		40-140	1		50
Benzo(a)pyrene	86		89		40-140	3		50
Benzo(b)fluoranthene	87		89		40-140	2		50
Benzo(k)fluoranthene	86		88		40-140	2		50
Chrysene	88		92		40-140	4		50
Acenaphthylene	92		92		40-140	0		50
Anthracene	89		92		40-140	3		50
Benzo(ghi)perylene	94		100		40-140	6		50
Fluorene	88		90		40-140	2		50
Phenanthrene	88		90		40-140	2		50
Dibenzo(a,h)anthracene	93		98		40-140	5		50
Indeno(1,2,3-cd)Pyrene	92		95		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-11 Batch: WG656255-2 WG656255-3								
Pyrene	99		101		35-142	2		50
Biphenyl	78		78			0		50
4-Chloroaniline	46		48		40-140	4		50
2-Nitroaniline	97		102		47-134	5		50
3-Nitroaniline	57		61		26-129	7		50
4-Nitroaniline	87		87		41-125	0		50
Dibenzofuran	86		87		40-140	1		50
2-Methylnaphthalene	80		82		40-140	2		50
1,2,4,5-Tetrachlorobenzene	80		83		40-117	4		50
Acetophenone	73		72		14-144	1		50
2,4,6-Trichlorophenol	102		103		30-130	1		50
P-Chloro-M-Cresol	99		100		26-103	1		50
2-Chlorophenol	73		74		25-102	1		50
2,4-Dichlorophenol	89		89		30-130	0		50
2,4-Dimethylphenol	83		83		30-130	0		50
2-Nitrophenol	78		79		30-130	1		50
4-Nitrophenol	90		89		11-114	1		50
2,4-Dinitrophenol	72		70		4-130	3		50
4,6-Dinitro-o-cresol	104		102		10-130	2		50
Pentachlorophenol	88		92		17-109	4		50
Phenol	72		69		26-90	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-11 Batch: WG656255-2 WG656255-3								
2-Methylphenol	78		74		30-130.	5		50
3-Methylphenol/4-Methylphenol	78		78		30-130	0		50
2,4,5-Trichlorophenol	105		104		30-130	1		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	73		72		40-140	1		50
Carbazole	90		93		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		68		25-120
Phenol-d6	71		70		10-120
Nitrobenzene-d5	70		68		23-120
2-Fluorobiphenyl	88		87		30-120
2,4,6-Tribromophenol	109		110		0-136
4-Terphenyl-d14	100		102		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG657335-2 WG657335-3								
Acenaphthene	82		75		31-137	9		50
1,2,4-Trichlorobenzene	86		76		38-107	12		50
Hexachlorobenzene	91		85		40-140	7		50
Bis(2-chloroethyl)ether	68		59		40-140	14		50
2-Chloronaphthalene	85		77		40-140	10		50
1,2-Dichlorobenzene	77		69		40-140	11		50
1,3-Dichlorobenzene	77		67		40-140	14		50
1,4-Dichlorobenzene	76		66		28-104	14		50
3,3'-Dichlorobenzidine	72		71		40-140	1		50
2,4-Dinitrotoluene	**90**	Q	82		28-89	9		50
2,6-Dinitrotoluene	89		84		40-140	6		50
Fluoranthene	88		82		40-140	7		50
4-Chlorophenyl phenyl ether	90		82		40-140	9		50
4-Bromophenyl phenyl ether	93		86		40-140	8		50
Bis(2-chloroisopropyl)ether	58		51		40-140	13		50
Bis(2-chloroethoxy)methane	70		62		40-117	12		50
Hexachlorobutadiene	94		83		40-140	12		50
Hexachlorocyclopentadiene	111		104		40-140	7		50
Hexachloroethane	74		65		40-140	13		50
Isophorone	71		63		40-140	12		50
Naphthalene	79		71		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG657335-2 WG657335-3								
Nitrobenzene	75		67		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	89		81			9		50
n-Nitrosodi-n-propylamine	70		62		32-121	12		50
Bis(2-Ethylhexyl)phthalate	89		83		40-140	7		50
Butyl benzyl phthalate	96		88		40-140	9		50
Di-n-butylphthalate	90		83		40-140	8		50
Di-n-octylphthalate	100		92		40-140	8		50
Diethyl phthalate	88		81		40-140	8		50
Dimethyl phthalate	87		80		40-140	8		50
Benzo(a)anthracene	83		78		40-140	6		50
Benzo(a)pyrene	76		73		40-140	4		50
Benzo(b)fluoranthene	75		70		40-140	7		50
Benzo(k)fluoranthene	70		71		40-140	1		50
Chrysene	80		75		40-140	6		50
Acenaphthylene	88		80		40-140	10		50
Anthracene	87		84		40-140	4		50
Benzo(ghi)perylene	80		75		40-140	6		50
Fluorene	86		79		40-140	8		50
Phenanthrene	82		76		40-140	8		50
Dibenzo(a,h)anthracene	83		78		40-140	6		50
Indeno(1,2,3-cd)Pyrene	83		78		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG657335-2 WG657335-3								
Pyrene	89		82		35-142	8		50
Biphenyl	78		71			9		50
4-Chloroaniline	55		47		40-140	16		50
2-Nitroaniline	91		84		47-134	8		50
3-Nitroaniline	64		60		26-129	6		50
4-Nitroaniline	82		78		41-125	5		50
Dibenzofuran	85		78		40-140	9		50
2-Methylnaphthalene	83		75		40-140	10		50
1,2,4,5-Tetrachlorobenzene	82		73		40-117	12		50
Acetophenone	76		66		14-144	14		50
2,4,6-Trichlorophenol	99		92		30-130	7		50
P-Chloro-M-Cresol	94		85		26-103	10		50
2-Chlorophenol	81		72		25-102	12		50
2,4-Dichlorophenol	96		86		30-130	11		50
2,4-Dimethylphenol	91		82		30-130	10		50
2-Nitrophenol	81		72		30-130	12		50
4-Nitrophenol	91		84		11-114	8		50
2,4-Dinitrophenol	71		66		4-130	7		50
4,6-Dinitro-o-cresol	98		88		10-130	11		50
Pentachlorophenol	106		100		17-109	6		50
Phenol	76		67		26-90	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG657335-2 WG657335-3								
2-Methylphenol	79		70		30-130.	12		50
3-Methylphenol/4-Methylphenol	78		71		30-130	9		50
2,4,5-Trichlorophenol	99		95		30-130	4		50
Benzoic Acid	54		44			20		50
Benzyl Alcohol	77		69		40-140	11		50
Carbazole	85		78		54-128	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		75		25-120
Phenol-d6	76		68		10-120
Nitrobenzene-d5	71		65		23-120
2-Fluorobiphenyl	89		83		30-120
2,4,6-Tribromophenol	92		89		0-136
4-Terphenyl-d14	93		87		18-120

PCBS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-02	Date Collected:	12/02/13 13:15
Client ID:	SB01_10-11	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 20:44	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	2.75	1	A
Aroclor 1221	ND		ug/kg	34.9	3.21	1	A
Aroclor 1232	ND		ug/kg	34.9	4.09	1	A
Aroclor 1242	ND		ug/kg	34.9	4.27	1	A
Aroclor 1248	ND		ug/kg	34.9	2.94	1	A
Aroclor 1254	ND		ug/kg	34.9	2.86	1	A
Aroclor 1260	ND		ug/kg	34.9	2.66	1	A
Aroclor 1262	ND		ug/kg	34.9	1.73	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-03	Date Collected:	12/02/13 11:40
Client ID:	SB02_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 20:57	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	2.83	1	A
Aroclor 1221	ND		ug/kg	35.8	3.30	1	A
Aroclor 1232	ND		ug/kg	35.8	4.20	1	A
Aroclor 1242	ND		ug/kg	35.8	4.39	1	A
Aroclor 1248	ND		ug/kg	35.8	3.02	1	A
Aroclor 1254	ND		ug/kg	35.8	2.94	1	A
Aroclor 1260	ND		ug/kg	35.8	2.73	1	A
Aroclor 1262	ND		ug/kg	35.8	1.78	1	A
Aroclor 1268	ND		ug/kg	35.8	5.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-04	Date Collected:	12/02/13 12:00
Client ID:	SB02_6-7	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 22:47
Analytical Date:	12/06/13 16:21	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/06/13
Percent Solids:	76%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.9	3.15	1	A
Aroclor 1221	ND		ug/kg	39.9	3.68	1	A
Aroclor 1232	ND		ug/kg	39.9	4.68	1	A
Aroclor 1242	ND		ug/kg	39.9	4.89	1	A
Aroclor 1248	ND		ug/kg	39.9	3.37	1	A
Aroclor 1254	77.6		ug/kg	39.9	3.28	1	B
Aroclor 1260	287		ug/kg	39.9	3.04	1	B
Aroclor 1262	ND		ug/kg	39.9	1.98	1	A
Aroclor 1268	ND		ug/kg	39.9	5.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-05	Date Collected:	12/02/13 12:05
Client ID:	SB02_11-12	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 21:10	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	**29**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-06	Date Collected:	12/02/13 11:11
Client ID:	DUP01	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 21:24	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	3.14	1	A
Aroclor 1221	ND		ug/kg	39.8	3.67	1	A
Aroclor 1232	ND		ug/kg	39.8	4.66	1	A
Aroclor 1242	ND		ug/kg	39.8	4.87	1	A
Aroclor 1248	ND		ug/kg	39.8	3.36	1	A
Aroclor 1254	ND		ug/kg	39.8	3.27	1	A
Aroclor 1260	ND		ug/kg	39.8	3.03	1	A
Aroclor 1262	ND		ug/kg	39.8	1.97	1	A
Aroclor 1268	ND		ug/kg	39.8	5.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	**26**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-07	Date Collected:	12/02/13 10:30
Client ID:	SB03_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 21:37	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	2.87	1	A
Aroclor 1221	ND		ug/kg	36.4	3.35	1	A
Aroclor 1232	ND		ug/kg	36.4	4.26	1	A
Aroclor 1242	ND		ug/kg	36.4	4.45	1	A
Aroclor 1248	ND		ug/kg	36.4	3.07	1	A
Aroclor 1254	ND		ug/kg	36.4	2.99	1	A
Aroclor 1260	ND		ug/kg	36.4	2.77	1	A
Aroclor 1262	ND		ug/kg	36.4	1.80	1	A
Aroclor 1268	ND		ug/kg	36.4	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-08	Date Collected:	12/02/13 10:35
Client ID:	SB03_7-8	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 21:50	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	80%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	3.26	1	A
Aroclor 1221	ND		ug/kg	41.2	3.80	1	A
Aroclor 1232	ND		ug/kg	41.2	4.83	1	A
Aroclor 1242	ND		ug/kg	41.2	5.05	1	A
Aroclor 1248	ND		ug/kg	41.2	3.48	1	A
Aroclor 1254	ND		ug/kg	41.2	3.39	1	A
Aroclor 1260	ND		ug/kg	41.2	3.14	1	A
Aroclor 1262	ND		ug/kg	41.2	2.04	1	A
Aroclor 1268	ND		ug/kg	41.2	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-09	Date Collected:	12/02/13 10:00
Client ID:	SB04_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 22:03	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.99	1	A
Aroclor 1221	ND		ug/kg	37.8	3.49	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.63	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.11	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.88	1	A
Aroclor 1268	ND		ug/kg	37.8	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-10	Date Collected:	12/02/13 10:05
Client ID:	SB04_5-6	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 22:16	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.5	3.12	1	A
Aroclor 1221	ND		ug/kg	39.5	3.64	1	A
Aroclor 1232	ND		ug/kg	39.5	4.63	1	A
Aroclor 1242	ND		ug/kg	39.5	4.83	1	A
Aroclor 1248	ND		ug/kg	39.5	3.33	1	A
Aroclor 1254	ND		ug/kg	39.5	3.24	1	A
Aroclor 1260	ND		ug/kg	39.5	3.01	1	A
Aroclor 1262	ND		ug/kg	39.5	1.96	1	A
Aroclor 1268	ND		ug/kg	39.5	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-11	Date Collected:	12/02/13 14:00
Client ID:	SB05_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:21
Analytical Date:	12/06/13 22:29	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	2.85	1	A
Aroclor 1221	ND		ug/kg	36.1	3.33	1	A
Aroclor 1232	ND		ug/kg	36.1	4.23	1	A
Aroclor 1242	ND		ug/kg	36.1	4.42	1	A
Aroclor 1248	ND		ug/kg	36.1	3.04	1	A
Aroclor 1254	ND		ug/kg	36.1	2.97	1	A
Aroclor 1260	ND		ug/kg	36.1	2.75	1	A
Aroclor 1262	ND		ug/kg	36.1	1.79	1	A
Aroclor 1268	ND		ug/kg	36.1	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/07/13 00:28
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05-11 Batch: WG656363-1						
Aroclor 1016	ND		ug/kg	31.3	2.47	A
Aroclor 1221	ND		ug/kg	31.3	2.89	A
Aroclor 1232	ND		ug/kg	31.3	3.67	A
Aroclor 1242	ND		ug/kg	31.3	3.83	A
Aroclor 1248	ND		ug/kg	31.3	2.64	A
Aroclor 1254	ND		ug/kg	31.3	2.58	A
Aroclor 1260	ND		ug/kg	31.3	2.39	A
Aroclor 1262	ND		ug/kg	31.3	1.55	A
Aroclor 1268	ND		ug/kg	31.3	4.54	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/07/13 02:12
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 12/05/13 22:47
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG656642-1						
Aroclor 1016	ND		ug/kg	32.6	2.58	A
Aroclor 1221	ND		ug/kg	32.6	3.01	A
Aroclor 1232	ND		ug/kg	32.6	3.83	A
Aroclor 1242	ND		ug/kg	32.6	4.00	A
Aroclor 1248	ND		ug/kg	32.6	2.76	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.49	A
Aroclor 1262	ND		ug/kg	32.6	1.62	A
Aroclor 1268	ND		ug/kg	32.6	4.74	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05-11 Batch: WG656363-2 WG656363-3									
Aroclor 1016	54		63		40-140	15		50	A
Aroclor 1260	51		60		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		68		30-150	A
Decachlorobiphenyl	54		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		68		30-150	B
Decachlorobiphenyl	46		52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG656642-2 WG656642-3									
Aroclor 1016	55		50		40-140	10		50	A
Aroclor 1260	56		50		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		54		30-150	A
Decachlorobiphenyl	66		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		54		30-150	B
Decachlorobiphenyl	66		64		30-150	B

PESTICIDES

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-02	Date Collected:	12/02/13 13:15
Client ID:	SB01_10-11	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 08:16	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.664	1	A
Heptachlor	ND		ug/kg	0.876	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.986	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.334	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.20	1	A
cis-Chlordane	ND		ug/kg	2.19	0.610	1	A
trans-Chlordane	ND		ug/kg	2.19	0.578	1	A
Chlordane	ND		ug/kg	14.2	5.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-03	Date Collected:	12/02/13 11:40
Client ID:	SB02_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 08:29	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.664	1	A
Heptachlor	ND		ug/kg	0.876	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.986	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.334	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.20	1	A
cis-Chlordane	ND		ug/kg	2.19	0.610	1	A
trans-Chlordane	ND		ug/kg	2.19	0.578	1	A
Chlordane	ND		ug/kg	14.2	5.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-04	Date Collected:	12/02/13 12:00
Client ID:	SB02_6-7	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 08:42	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.04	0.399	1	A
Lindane	ND		ug/kg	0.848	0.379	1	A
Alpha-BHC	ND		ug/kg	0.848	0.241	1	A
Beta-BHC	ND		ug/kg	2.04	0.772	1	A
Heptachlor	ND		ug/kg	1.02	0.456	1	A
Aldrin	ND		ug/kg	2.04	0.717	1	A
Heptachlor epoxide	ND		ug/kg	3.82	1.14	1	A
Endrin	ND		ug/kg	0.848	0.348	1	A
Endrin ketone	ND		ug/kg	2.04	0.524	1	A
Dieldrin	ND		ug/kg	1.27	0.636	1	A
4,4'-DDE	ND		ug/kg	2.04	0.471	1	A
4,4'-DDD	ND		ug/kg	2.04	0.726	1	A
4,4'-DDT	ND		ug/kg	3.82	1.64	1	A
Endosulfan I	ND		ug/kg	2.04	0.481	1	A
Endosulfan II	ND		ug/kg	2.04	0.680	1	A
Endosulfan sulfate	ND		ug/kg	0.848	0.388	1	A
Methoxychlor	ND		ug/kg	3.82	1.19	1	A
Toxaphene	ND		ug/kg	38.2	10.7	1	A
cis-Chlordane	ND		ug/kg	2.54	0.709	1	A
trans-Chlordane	ND		ug/kg	2.54	0.672	1	A
Chlordane	ND		ug/kg	16.5	6.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-05	Date Collected:	12/02/13 12:05
Client ID:	SB02_11-12	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 08:55	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.690	1	A
Heptachlor	ND		ug/kg	0.910	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.347	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.56	1	A
cis-Chlordane	ND		ug/kg	2.28	0.634	1	A
trans-Chlordane	ND		ug/kg	2.28	0.601	1	A
Chlordane	ND		ug/kg	14.8	6.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-06	Date Collected:	12/02/13 11:11
Client ID:	DUP01	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 09:07	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.438	1	A
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.360	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.93	1	A
cis-Chlordane	ND		ug/kg	2.36	0.659	1	A
trans-Chlordane	ND		ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.4	6.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-07	Date Collected:	12/02/13 10:30
Client ID:	SB03_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 09:20	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.326	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-08	Date Collected:	12/02/13 10:35
Client ID:	SB03_7-8	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 09:33	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.820	0.367	1	A
Alpha-BHC	ND		ug/kg	0.820	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.747	1	A
Heptachlor	ND		ug/kg	0.985	0.441	1	A
Aldrin	ND		ug/kg	1.97	0.693	1	A
Heptachlor epoxide	ND		ug/kg	3.69	1.11	1	A
Endrin	ND		ug/kg	0.820	0.336	1	A
Endrin ketone	ND		ug/kg	1.97	0.507	1	A
Dieldrin	ND		ug/kg	1.23	0.615	1	A
4,4'-DDE	ND		ug/kg	1.97	0.455	1	A
4,4'-DDD	ND		ug/kg	1.97	0.702	1	A
4,4'-DDT	ND		ug/kg	3.69	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.465	1	A
Endosulfan II	ND		ug/kg	1.97	0.658	1	A
Endosulfan sulfate	ND		ug/kg	0.820	0.375	1	A
Methoxychlor	ND		ug/kg	3.69	1.15	1	A
Toxaphene	ND		ug/kg	36.9	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.686	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.0	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-09	Date Collected:	12/02/13 10:00
Client ID:	SB04_0-1	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 09:46	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.348	1	A
Alpha-BHC	ND		ug/kg	0.777	0.221	1	A
Beta-BHC	ND		ug/kg	1.86	0.708	1	A
Heptachlor	ND		ug/kg	0.933	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.657	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.777	0.319	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.17	0.583	1	A
4,4'-DDE	ND		ug/kg	1.86	0.432	1	A
4,4'-DDD	ND		ug/kg	1.86	0.666	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.441	1	A
Endosulfan II	ND		ug/kg	1.86	0.624	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.355	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.80	1	A
cis-Chlordane	ND		ug/kg	2.33	0.650	1	A
trans-Chlordane	ND		ug/kg	2.33	0.616	1	A
Chlordane	ND		ug/kg	15.2	6.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-10	Date Collected:	12/02/13 10:05
Client ID:	SB04_5-6	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:43
Analytical Date:	12/06/13 09:59	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.379	1	A
Lindane	ND		ug/kg	0.807	0.361	1	A
Alpha-BHC	ND		ug/kg	0.807	0.229	1	A
Beta-BHC	ND		ug/kg	1.94	0.734	1	A
Heptachlor	ND		ug/kg	0.969	0.434	1	A
Aldrin	ND		ug/kg	1.94	0.682	1	A
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	A
Endrin	ND		ug/kg	0.807	0.331	1	A
Endrin ketone	ND		ug/kg	1.94	0.499	1	A
Dieldrin	ND		ug/kg	1.21	0.605	1	A
4,4'-DDE	ND		ug/kg	1.94	0.448	1	A
4,4'-DDD	ND		ug/kg	1.94	0.691	1	A
4,4'-DDT	ND		ug/kg	3.63	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.458	1	A
Endosulfan II	ND		ug/kg	1.94	0.647	1	A
Endosulfan sulfate	ND		ug/kg	0.807	0.369	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.675	1	A
trans-Chlordane	ND		ug/kg	2.42	0.639	1	A
Chlordane	ND		ug/kg	15.7	6.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324383-11	Date Collected:	12/02/13 14:00
Client ID:	SB05_1-2	Date Received:	12/02/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 10:11	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.327	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.03	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/06/13 07:13
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 12/04/13 13:43
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-11 Batch: WG656160-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.971	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.296	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	12.6	5.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-11 Batch: WG656160-2 WG656160-3									
Delta-BHC	84		94		30-150	11		30	A
Lindane	69		75		30-150	8		30	A
Alpha-BHC	70		77		30-150	10		30	A
Beta-BHC	80		96		30-150	18		30	A
Heptachlor	81		88		30-150	8		30	A
Aldrin	79		86		30-150	8		30	A
Heptachlor epoxide	82		87		30-150	6		30	A
Endrin	89		95		30-150	7		30	A
Endrin ketone	99		106		30-150	7		30	A
Dieldrin	88		93		30-150	6		30	A
4,4'-DDE	81		88		30-150	8		30	A
4,4'-DDD	84		89		30-150	6		30	A
4,4'-DDT	95		101		30-150	6		30	A
Endosulfan I	90		96		30-150	6		30	A
Endosulfan II	98		104		30-150	6		30	A
Endosulfan sulfate	103		109		30-150	6		30	A
Methoxychlor	80		83		30-150	4		30	A
cis-Chlordane	84		89		30-150	6		30	A
trans-Chlordane	82		88		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-11 Batch: WG656160-2 WG656160-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	A
Decachlorobiphenyl	98		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	100		100		30-150	B

METALS

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02
Client ID: SB01_10-11
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 12/02/13 13:15
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.43	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Barium, Total	76		mg/kg	0.43	0.13	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38		mg/kg	0.21	0.04	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Cadmium, Total	0.53		mg/kg	0.43	0.03	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.43	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.43	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Lead, Total	6.3		mg/kg	2.1	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Manganese, Total	430		mg/kg	0.43	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/09/13 12:32	12/09/13 13:16	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	1.1	0.17	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.86	0.13	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG
Zinc, Total	45		mg/kg	2.1	0.30	1	12/06/13 14:47	12/07/13 09:40	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03
Client ID: SB02_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/02/13 11:40
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Barium, Total	50		mg/kg	0.43	0.13	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Beryllium, Total	0.35		mg/kg	0.21	0.04	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Cadmium, Total	0.44		mg/kg	0.43	0.03	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Lead, Total	5.7		mg/kg	2.1	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Manganese, Total	400		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/09/13 12:32	12/09/13 13:22	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	1.1	0.17	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Selenium, Total	0.16	J	mg/kg	0.86	0.13	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG
Zinc, Total	32		mg/kg	2.1	0.30	1	12/06/13 12:26	12/06/13 21:11	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04
Client ID: SB02_6-7
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 12/02/13 12:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.7		mg/kg	0.52	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Barium, Total	92		mg/kg	0.52	0.15	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Beryllium, Total	0.52		mg/kg	0.26	0.05	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Cadmium, Total	0.66		mg/kg	0.52	0.04	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Chromium, Total	30		mg/kg	0.52	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Copper, Total	27		mg/kg	0.52	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Lead, Total	17		mg/kg	2.6	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Manganese, Total	610		mg/kg	0.52	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/09/13 12:32	12/09/13 13:23	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	1.3	0.21	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Selenium, Total	0.24	J	mg/kg	1.0	0.15	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.52	0.10	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG
Zinc, Total	56		mg/kg	2.6	0.36	1	12/06/13 12:26	12/06/13 21:14	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05
Client ID: SB02_11-12
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 12/02/13 12:05
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.4		mg/kg	0.46	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Barium, Total	47		mg/kg	0.46	0.14	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Beryllium, Total	0.19	J	mg/kg	0.23	0.05	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Cadmium, Total	0.39	J	mg/kg	0.46	0.03	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.46	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.46	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Lead, Total	4.1		mg/kg	2.3	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Manganese, Total	270		mg/kg	0.46	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/09/13 12:32	12/09/13 13:25	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	1.2	0.18	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Selenium, Total	0.16	J	mg/kg	0.92	0.14	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.46	0.09	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG
Zinc, Total	30		mg/kg	2.3	0.32	1	12/06/13 12:26	12/06/13 21:18	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06
Client ID: DUP01
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 12/02/13 11:11
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.3		mg/kg	0.47	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Barium, Total	68		mg/kg	0.47	0.14	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.27		mg/kg	0.23	0.05	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.45	J	mg/kg	0.47	0.03	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Chromium, Total	19		mg/kg	0.47	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Copper, Total	17		mg/kg	0.47	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Lead, Total	4.5		mg/kg	2.3	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Manganese, Total	400		mg/kg	0.47	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	12/09/13 12:32	12/09/13 13:27	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	1.2	0.19	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.94	0.14	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.47	0.09	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG
Zinc, Total	38		mg/kg	2.3	0.33	1	12/06/13 12:26	12/06/13 21:22	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07
Client ID: SB03_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/02/13 10:30
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.5		mg/kg	0.44	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Barium, Total	52		mg/kg	0.44	0.13	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Beryllium, Total	0.18	J	mg/kg	0.22	0.04	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Cadmium, Total	0.41	J	mg/kg	0.44	0.03	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Chromium, Total	9.4		mg/kg	0.44	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Copper, Total	69		mg/kg	0.44	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Lead, Total	170		mg/kg	2.2	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.44	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Mercury, Total	0.18		mg/kg	0.08	0.02	1	12/09/13 12:32	12/09/13 13:29	EPA 7471B	1,7471B	MC
Nickel, Total	8.2		mg/kg	1.1	0.18	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Selenium, Total	0.24	J	mg/kg	0.88	0.13	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.44	0.09	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG
Zinc, Total	76		mg/kg	2.2	0.31	1	12/06/13 12:26	12/06/13 21:25	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08
Client ID: SB03_7-8
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 80%

Date Collected: 12/02/13 10:35
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.3		mg/kg	0.49	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Barium, Total	61		mg/kg	0.49	0.15	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.36		mg/kg	0.24	0.05	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Cadmium, Total	0.43	J	mg/kg	0.49	0.03	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Chromium, Total	19		mg/kg	0.49	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.49	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Lead, Total	5.0		mg/kg	2.4	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Manganese, Total	430		mg/kg	0.49	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/09/13 12:32	12/09/13 13:30	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	1.2	0.20	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.98	0.15	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.49	0.10	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG
Zinc, Total	36		mg/kg	2.4	0.34	1	12/06/13 12:26	12/06/13 21:29	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09
Client ID: SB04_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 12/02/13 10:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.9		mg/kg	0.45	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Barium, Total	42		mg/kg	0.45	0.14	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Beryllium, Total	0.34		mg/kg	0.23	0.05	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Cadmium, Total	0.51		mg/kg	0.45	0.03	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.45	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Copper, Total	15		mg/kg	0.45	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Lead, Total	14		mg/kg	2.3	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Manganese, Total	190		mg/kg	0.45	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	12/09/13 12:32	12/09/13 13:32	EPA 7471B	1,7471B	MC
Nickel, Total	5.8		mg/kg	1.1	0.18	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Selenium, Total	0.16	J	mg/kg	0.90	0.14	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.45	0.09	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG
Zinc, Total	190		mg/kg	2.3	0.32	1	12/06/13 12:26	12/06/13 21:32	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10
Client ID: SB04_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 12/02/13 10:05
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.7		mg/kg	0.47	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Barium, Total	51		mg/kg	0.47	0.14	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Beryllium, Total	0.30		mg/kg	0.24	0.05	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Cadmium, Total	0.46	J	mg/kg	0.47	0.03	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Chromium, Total	27		mg/kg	0.47	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.47	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Lead, Total	5.4		mg/kg	2.4	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.47	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/09/13 12:32	12/09/13 13:39	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	1.2	0.19	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Selenium, Total	0.31	J	mg/kg	0.95	0.14	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.47	0.10	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG
Zinc, Total	35		mg/kg	2.4	0.33	1	12/06/13 12:26	12/06/13 21:36	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324383
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11
Client ID: SB05_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 12/02/13 14:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.5		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.43	0.13	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Beryllium, Total	0.30		mg/kg	0.21	0.04	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Cadmium, Total	0.61		mg/kg	0.43	0.03	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Chromium, Total	260		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Copper, Total	53		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Lead, Total	260		mg/kg	2.1	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Mercury, Total	1.8		mg/kg	0.07	0.02	1	12/09/13 12:32	12/09/13 13:41	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	1.1	0.17	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Selenium, Total	0.38	J	mg/kg	0.85	0.13	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Silver, Total	0.10	J	mg/kg	0.43	0.09	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG
Zinc, Total	210		mg/kg	2.1	0.30	1	12/06/13 12:26	12/06/13 21:40	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-11 Batch: WG656801-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	12/06/13 12:26	12/06/13 20:21	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02 Batch: WG656848-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	12/06/13 14:47	12/07/13 09:33	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-11 Batch: WG657243-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/09/13 12:32	12/09/13 13:09	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-11 Batch: WG656801-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	101		-		66-134	-		
Zinc, Total	97		-		82-119	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG656848-2 SRM Lot Number: 0518-10-02					
Arsenic, Total	100	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Chromium, Total	101	-	80-119	-	
Copper, Total	101	-	83-117	-	
Lead, Total	99	-	80-120	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	105	-	66-134	-	
Zinc, Total	100	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-11 Batch: WG657243-2 SRM Lot Number: 0518-10-02					
Mercury, Total	108	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-11 QC Batch ID: WG656801-4 QC Sample: L1324121-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	11	78		-	-		75-125	-		35
Barium, Total	65.	185	200	**73**	Q	-	-		75-125	-		35
Beryllium, Total	ND	4.64	3.7	80		-	-		75-125	-		35
Cadmium, Total	0.81J	4.73	4.4	93		-	-		75-125	-		35
Chromium, Total	13.	18.5	24	**59**	Q	-	-		75-125	-		35
Copper, Total	84.	23.2	110	112		-	-		75-125	-		35
Lead, Total	45.	47.3	91	97		-	-		75-125	-		35
Manganese, Total	260	46.4	280	**43**	Q	-	-		75-125	-		35
Nickel, Total	11.	46.4	48	80		-	-		75-125	-		35
Selenium, Total	0.54J	11.1	9.7	87		-	-		75-125	-		35
Silver, Total	ND	27.8	24	86		-	-		75-125	-		35
Zinc, Total	77.	46.4	100	**50**	Q	-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG656848-4 QC Sample: L1324383-02 Client ID: SB01_10-11									
Arsenic, Total	1.6	10.4	10	81	-	-	75-125	-	35
Barium, Total	76.	174	220	83	-	-	75-125	-	35
Beryllium, Total	0.38	4.34	4.0	83	-	-	75-125	-	35
Cadmium, Total	0.53	4.43	4.0	78	-	-	75-125	-	35
Chromium, Total	22.	17.4	37	86	-	-	75-125	-	35
Copper, Total	24.	21.7	43	88	-	-	75-125	-	35
Lead, Total	6.3	44.3	44	85	-	-	75-125	-	35
Manganese, Total	430	43.4	470	92	-	-	75-125	-	35
Nickel, Total	21.	43.4	56	81	-	-	75-125	-	35
Selenium, Total	ND	10.4	8.5	82	-	-	75-125	-	35
Silver, Total	ND	26	22	84	-	-	75-125	-	35
Zinc, Total	45.	43.4	82	85	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02-11 QC Batch ID: WG657243-4 QC Sample: L1324383-02 Client ID: SB01_10-11									
Mercury, Total	ND	0.158	0.16	101	-	-	80-120	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-11 QC Batch ID: WG656801-3 QC Sample: L1324121-01 Client ID: DUP Sample						
Arsenic, Total	2.3	1.9	mg/kg	19		35
Barium, Total	65.	44	mg/kg	**39**	Q	35
Beryllium, Total	ND	ND	mg/kg	NC		35
Cadmium, Total	0.81J	0.64J	mg/kg	NC		35
Chromium, Total	13.	9.7	mg/kg	29		35
Copper, Total	84.	78	mg/kg	7		35
Lead, Total	45.	31	mg/kg	**37**	Q	35
Manganese, Total	260	210	mg/kg	21		35
Nickel, Total	11.	10	mg/kg	10		35
Selenium, Total	0.54J	0.30J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	77.	61	mg/kg	23		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG656848-3 QC Sample: L1324383-02 Client ID: SB01_10-11					
Arsenic, Total	1.6	1.4	mg/kg	13	35
Barium, Total	76.	63	mg/kg	19	35
Beryllium, Total	0.38	0.34	mg/kg	11	35
Cadmium, Total	0.53	0.46	mg/kg	14	35
Chromium, Total	22.	20	mg/kg	10	35
Copper, Total	24.	26	mg/kg	8	35
Lead, Total	6.3	5.6	mg/kg	12	35
Manganese, Total	430	370	mg/kg	15	35
Nickel, Total	21.	18	mg/kg	15	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Zinc, Total	45.	39	mg/kg	14	35
Total Metals - Westborough Lab Associated sample(s): 02-11 QC Batch ID: WG657243-3 QC Sample: L1324383-02 Client ID: SB01_10-11					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-02
Client ID: SB01_10-11
Sample Location: QUEENS, NY
Matrix: Soil
Date Collected: 12/02/13 13:15
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.89	0.89	1	-	12/09/13 14:40	107,-	JO
Solids, Total	89.8		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	12/05/13 10:45	12/05/13 14:10	1,9010C/9012A	JO
Chromium, Hexavalent	0.22	J	mg/kg	0.89	0.18	1	12/04/13 22:00	12/06/13 05:18	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-03
Client ID: SB02_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Date Collected: 12/02/13 11:40
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	0.90	0.90	1	-	12/09/13 14:40	107,-	JO
Solids, Total	88.7		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	12/05/13 10:45	12/05/13 14:11	1,9010C/9012A	JO
Chromium, Hexavalent	0.28	J	mg/kg	0.90	0.18	1	12/04/13 22:00	12/06/13 05:19	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-04
Client ID: SB02_6-7
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 12:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	30		mg/kg	1.0	1.0	1	-	12/09/13 14:40	107,-	JO
Solids, Total	75.8		%	0.100	NA	1	-	12/06/13 03:17	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	12/08/13 18:48	12/09/13 15:42	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.21	1	12/04/13 22:00	12/06/13 05:20	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-05
Client ID: SB02_11-12
Sample Location: QUEENS, NY
Matrix: Soil
Date Collected: 12/02/13 12:05
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.96	0.96	1	-	12/09/13 14:40	107,-	JO
Solids, Total	83.2		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	12/05/13 10:45	12/05/13 14:11	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	12/04/13 22:00	12/06/13 05:21	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-06
Client ID: DUP01
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 11:11
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.98	0.98	1	-	12/09/13 14:40	107,-	JO
Solids, Total	81.2		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	12/05/13 10:45	12/05/13 14:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.98	0.20	1	12/04/13 22:00	12/06/13 05:21	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-07
Client ID: SB03_1-2
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 10:30
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.4		mg/kg	0.90	0.90	1	-	12/09/13 14:40	107,-	JO
Solids, Total	88.6		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	12/05/13 10:45	12/05/13 14:13	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	12/04/13 22:00	12/06/13 05:22	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-08
Client ID: SB03_7-8
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 10:35
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	1.0	1.0	1	-	12/09/13 14:40	107,-	JO
Solids, Total	79.6		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	12/05/13 10:45	12/05/13 14:14	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	12/04/13 22:00	12/06/13 05:23	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-09
Client ID: SB04_0-1
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 10:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.95	0.95	1	-	12/09/13 14:40	107,-	JO
Solids, Total	83.9		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	12/05/13 10:45	12/05/13 14:15	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	12/04/13 22:00	12/06/13 05:24	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-10
Client ID: SB04_5-6
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 10:05
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	27		mg/kg	0.99	0.99	1	-	12/09/13 14:40	107,-	JO
Solids, Total	80.6		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	12/05/13 10:45	12/05/13 14:15	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.99	0.20	1	12/04/13 22:00	12/06/13 05:24	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324383-11
Client ID: SB05_1-2
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/02/13 14:00
Date Received: 12/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	260		mg/kg	0.88	0.88	1	-	12/09/13 14:40	107,-	JO
Solids, Total	91.1		%	0.100	NA	1	-	12/03/13 23:39	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	12/08/13 18:48	12/09/13 15:43	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	12/04/13 22:00	12/06/13 05:28	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324383
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03,05-10 Batch: WG656412-1										
Cyanide, Total	ND		mg/kg	0.93	0.22	1	12/05/13 10:45	12/05/13 13:59	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04,11 Batch: WG657188-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	12/08/13 18:48	12/09/13 15:30	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-10 Batch: WG657218-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	12/04/13 22:00	12/06/13 05:15	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG657220-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	12/04/13 22:00	12/06/13 05:14	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324383

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 Batch: WG656412-2 WG656412-3								
Cyanide, Total	108		107		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04,11 Batch: WG657188-4 WG657188-5								
Cyanide, Total	88		87		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-10 Batch: WG657218-2								
Chromium, Hexavalent	102		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG657220-2								
Chromium, Hexavalent	102		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG656412-6 WG656412-7 QC Sample: L1324338-13 Client ID: MS Sample												
Cyanide, Total	ND	9.5	9.7	100		10	100		65-135	3		35
General Chemistry - Westborough Lab Associated sample(s): 04,11 QC Batch ID: WG657188-3 WG657188-2 QC Sample: L1324502-08 Client ID: MS Sample												
Cyanide, Total	ND	12	11	92		11	96		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 02-10 QC Batch ID: WG657218-5 QC Sample: L1324383-10 Client ID: SB04_5-6												
Chromium, Hexavalent	ND	1580	1500	95		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG657220-5 QC Sample: L1324502-07 Client ID: MS Sample												
Chromium, Hexavalent	ND	1490	1300	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-11 QC Batch ID: WG655935-1 QC Sample: L1324376-01 Client ID: DUP Sample						
Solids, Total	83.2	82.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG656677-1 QC Sample: L1324383-04 Client ID: SB02_6-7						
Solids, Total	75.8	75.6	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02-10 QC Batch ID: WG657218-4 QC Sample: L1324383-10 Client ID: SB04_5-6						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG657220-4 QC Sample: L1324502-07 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/02/2013 23:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324383-01A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	HOLD()
L1324383-01B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	HOLD()
L1324383-01C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	HOLD()
L1324383-01D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	HOLD()
L1324383-01E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	HOLD()
L1324383-01X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	HOLD(0)
L1324383-01Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	HOLD(0)
L1324383-01Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	HOLD(0)
L1324383-02A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-02B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-02C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-02D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-02E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-02X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-02Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-02Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-03A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-03B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-03C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-03D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324383-03E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-03X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-03Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-03Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-04A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-04B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-04C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-04D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-04E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-04X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-04Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-04Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-05A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-05B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-05C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-05D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-05E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-05X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-05Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-05Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-06A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324383-06B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-06C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-06D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-06E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-06X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-06Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-06Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-07A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-07B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-07C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-07D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-07E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-07X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-07Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-07Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-08A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-08B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-08C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-08D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-08E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-08X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

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Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324383-08Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-08Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-09A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-09B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-09C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-09D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-09E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-09X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-09Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-09Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-10A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-10B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-10C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-10D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1324383-10E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-10X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-10Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-10Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-11A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-11B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-11C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1324383-11D	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324383
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324383-11E	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324383-11X	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-11Y	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-11Z	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1324383-12A	Vial HCl preserved	A	N/A	4.3	Y	Absent	HOLD-8260(14)
L1324383-12B	Vial HCl preserved	A	N/A	4.3	Y	Absent	HOLD-8260(14)

Container Comments

L1324383-04E

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324383
Project Number:	170281401	**Report Date:**	12/11/13

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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

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

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

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324383
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Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324383
Project Number:	170281401	**Report Date:**	12/11/13

REFERENCES

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

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

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

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

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

Last revised November 12, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

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9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

4. Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. Iodomethane (methyl iodide), Methyl methacrylate. Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **33** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **9** Total Petroleum Hydrocarbons, Oil & Grease. **9** in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/2/13

ALPHA Job #: L1324383

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

Client Information

Client: Langan
Address: 360 W 31st St 8th Floor
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170281401
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/9/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☑ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC	Part 375

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Part 375 VOC	Part 375 SVOC	Part 375 Metals	PCBs	Pesticides	SAMPLE HANDLING	Sample Specific Comments	TOTAL # BOTTLES
24383-01	SB01_5-6	12/2/13	1310	S	JPD	X	X	X	X	X			5
02	SB01_10-11		1315			X	X	X	X	X			5
03	SB02_0-1		1140			X	X	X	X	X			5
04	SB02_6-7		1200			X	X	X	X	X			5
05	SB02_11-12		1205			X	X	X	X	X			5
06	DUP01		1111			X	X	X	X	X			5
07	SB03_1-2		1030			X	X	X	X	X			5
08	SB03_7-8		1035			X	X	X	X	X			5
09	SB04_0-1		1000			X	X	X	X	X			
10	SB04_5-6		1005			X	X	X	X	X			
	Container Type					E	A	A	A	A			
	Preservative					A	A	A	A	A			

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

Relinquished By:	Date/Time	Received By:	Date/Time
	12/2/13 1445		12/2/13 1445
	12/2/13 1700		12-2-13 1700
	12-2-13 2220		12/2/13 2220

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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 12/2/13

ALPHA Job #: L1324383

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

Client Information

Client: Langan
Address: 360 W 31st St 8th Floor
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: JGood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170281401
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/9/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Part 375
Criteria: NYSDEC Part 375

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Part 375 VOCs	Part 375 SVOCs	Part 375 Metals	PCB's	Pesticides	SAMPLE HANDLING	Sample Specific Comments	TOTAL # BOTTLES
24383-11	SB05-1-2	12/2/13	1400	S	JH	X	X	X	X	X			5
12	TRIP BLANK	12/2/13	1212	DW	KS	X							2

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

Container Type	V	A	A	A	A	
Preservative	N	N	N	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	12/2/13 1445		12/2/13 1445
	12/2/13 1700		12-2-13 1700
	12-2-13 2220		12/2/13 2220

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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan
Address: 360 W 31st St 8th floor
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170231401
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

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

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☑ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC	Part 375

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOC	Part 375 SVOC	Part 375 Metals	PCBs	Pesticides	Sample Specific Comments	TOTAL # BOTTLES
	SB01_5-6	12/2/13	1310	S	JPD	X	X	X	X	X	HOLD JFG	5
	SB01_10-11		1315			X	X	X	X	X		5
	SB02_0-1		1140			X	X	X	X	X		5
	SB02_6-7		1200			X	X	X	X	X	~~HOLD~~ JFG RUN	5
	SB02_11-12		1205			X	X	X	X	X		5
	DUP01		1111			X	X	X	X	X		5
	SB03_1-2		1030			X	X	X	X	X		5
	SB03_7-8		1035			X	X	X	X	X		5
	SB04_0-1		1000			X	X	X	X	X		
	SB04_5-6		1005			X	X	X	X	X		
	Container Type					E	A	A	A	A		
	Preservative					A	A	A	A	A		

Relinquished By:	Date/Time	Received By:	Date/Time
JMiss	12/2/13 1445		12/2/13 1445

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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan

Address: 360 W 31st St 8th Floor
New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive

Project Location: Queens, NY

Project #: 170251401

Project Manager: J. Good

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
Part 375	NYSDEC Part 375

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Part 375 VOCs	Part 375 SVOCs	Part 375 Metals	TCLP	Pesticides	SAMPLE HANDLING	TOTAL # BOTTLES
	SB05-1-2	12/2/13	1400	S	JW	X	X	X	X	X		5
	~~TRIP BLANK~~	12/2/13	1212	DW	KS	X					HOLD SFG	2

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

Sample Specific Comments

Container Type	I	A	A	A	A
Preservative	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	12/2/13 1445		12/3/13 1445

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

ANALYTICAL REPORT

Lab Number:	L1324502
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	12/11/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324502-01	SB06_1-2	QUEENS, NY	12/03/13 11:40
L1324502-02	SB06_5-6	QUEENS, NY	12/03/13 11:45
L1324502-03	SB07_0-1	QUEENS, NY	12/03/13 11:00
L1324502-04	SB07_5-6	QUEENS, NY	12/03/13 11:05
L1324502-05	SB08_1-2	QUEENS, NY	12/03/13 09:00
L1324502-06	SB08_10-11	QUEENS, NY	12/03/13 09:05
L1324502-07	SB09_1-2	QUEENS, NY	12/03/13 10:30
L1324502-08	SB09_5-6	QUEENS, NY	12/03/13 10:35
L1324502-09	TRIP BLANK	QUEENS, NY	12/03/13 00:00
L1324502-10	FIELD BLANK	QUEENS, NY	12/03/13 11:11

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502
Project Number: 170281401 **Report Date:** 12/11/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 10, 2013, and includes the results of all requested analyses.

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

Volatile Organics

The surrogate recovery for L1324502-05 is below the acceptance criteria for dibromofluoromethane (50%), due to a known matrix effect caused by the high pH of the sample (>10).

The WG657412-3 Method Blank, associated with L1324502-02, has a concentration above the reporting limit for bromomethane. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

Semivolatile Organics

L1324502-08 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

PCBs

The surrogate recoveries for L1324502-02 were below the acceptance criteria for decachlorobiphenyl (29%/26%); however, re-extraction achieved similar results for 2,4,5,6-tetrachloro-m-xylene (28%/28%) and decachlorobiphenyl (23%/23%). The results of both extractions are reported.

The surrogate recoveries for L1324502-06 were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (28%/27%) and decachlorobiphenyl (22%/22%); however, re-extraction achieved similar results for 2,4,5,6-tetrachloro-m-xylene (15%/15%) and decachlorobiphenyl (11%/11%). The results of both extractions are reported.

Pesticides

L1324502-02 and -08 have elevated detection limits due to the dilutions required by the sample matrices.

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502
Project Number: 170281401 **Report Date:** 12/11/13

Case Narrative (continued)

The surrogate recoveries for L1324502-08 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Metals

The WG657417-4 MS recovery, performed on L1324502-02, is below the acceptance criteria for mercury (0%). A post digestion spike was performed with an acceptable recovery of 87%.

The WG657417-3 Laboratory Duplicate RPD, performed on L1324502-02, is outside the acceptance criteria for mercury (87%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/11/13

ORGANICS

VOLATILES

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01
Client ID: SB06_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 12:58
Analyst: BN
Percent Solids: 89%

Date Collected: 12/03/13 11:40
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.24	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.42	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.9	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	6.9	0.63	1
Bromoform	ND		ug/kg	5.5	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.23	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	0.96	J	ug/kg	2.1	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.9	1.1	1
Bromomethane	ND		ug/kg	2.8	0.46	1
Vinyl chloride	ND		ug/kg	2.8	0.19	1
Chloroethane	ND		ug/kg	2.8	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.33	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01 Date Collected: 12/03/13 11:40

Client ID: SB06_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.14	1
p/m-Xylene	ND		ug/kg	2.8	0.44	1
o-Xylene	ND		ug/kg	2.8	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.8	0.42	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	18		ug/kg	14	4.3	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.49	1
Vinyl acetate	ND		ug/kg	14	0.66	1
4-Methyl-2-pentanone	1.1	J	ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	6.9	0.27	1
2,2-Dichloropropane	ND		ug/kg	6.9	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.9	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.27	1
sec-Butylbenzene	ND		ug/kg	1.4	0.28	1
tert-Butylbenzene	ND		ug/kg	6.9	0.77	1
o-Chlorotoluene	ND		ug/kg	6.9	0.22	1
p-Chlorotoluene	ND		ug/kg	6.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.58	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.26	1
Naphthalene	ND		ug/kg	6.9	1.0	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.79	1
1,4-Dioxane	ND		ug/kg	140	24.	1
1,4-Diethylbenzene	ND		ug/kg	5.5	0.22	1
4-Ethyltoluene	ND		ug/kg	5.5	0.16	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01 Date Collected: 12/03/13 11:40

Client ID: SB06_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.9	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02
Client ID: SB06_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/09/13 14:09
Analyst: PP
Percent Solids: 88%

Date Collected: 12/03/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.5	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	10		ug/kg	1.7	0.12	1
Ethylbenzene	2.4		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.87	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02 Date Collected: 12/03/13 11:45

Client ID: SB06_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	10		ug/kg	2.2	0.36	1
o-Xylene	5.8		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	24		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	6.0	J	ug/kg	11	0.40	1
Vinyl acetate	ND		ug/kg	11	0.54	1
4-Methyl-2-pentanone	3.3	J	ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.6	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.63	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.8	J	ug/kg	5.6	0.86	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	0.74	J	ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	0.42	J	ug/kg	4.5	0.13	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02 Date Collected: 12/03/13 11:45

Client ID: SB06_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.14	1
Ethyl ether	ND		ug/kg	5.6	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03
Client ID: SB07_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 13:25
Analyst: BN
Percent Solids: 85%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.55	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03 Date Collected: 12/03/13 11:00

Client ID: SB07_0-1 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	ND		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.69	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.6	0.26	1
4-Ethyltoluene	ND		ug/kg	6.6	0.19	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03 Date Collected: 12/03/13 11:00

Client ID: SB07_0-1 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05
Client ID: SB08_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 13:53
Analyst: BN
Percent Solids: 87%

Date Collected: 12/03/13 09:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.74	1
Bromoform	ND		ug/kg	6.5	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.55	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05 Date Collected: 12/03/13 09:00

Client ID: SB08_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	31		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.69	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.2	1.2	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.5	0.26	1
4-Ethyltoluene	ND		ug/kg	6.5	0.19	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05 Date Collected: 12/03/13 09:00

Client ID: SB08_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	**50**	Q	70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06
Client ID: SB08_10-11
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/10/13 13:33
Analyst: PP
Percent Solids: 69%

Date Collected: 12/03/13 09:05
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	3.4	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.30	1
Chloroform	ND		ug/kg	2.5	0.62	1
Carbon tetrachloride	ND		ug/kg	1.7	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.9	0.38	1
Dibromochloromethane	ND		ug/kg	1.7	0.52	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.51	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.4	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.39	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.4	0.77	1
Bromoform	ND		ug/kg	6.8	0.70	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.29	1
Benzene	1.1	J	ug/kg	1.7	0.20	1
Toluene	1.1	J	ug/kg	2.5	0.19	1
Ethylbenzene	ND		ug/kg	1.7	0.25	1
Chloromethane	ND		ug/kg	8.4	1.3	1
Bromomethane	ND		ug/kg	3.4	0.57	1
Vinyl chloride	ND		ug/kg	3.4	0.24	1
Chloroethane	ND		ug/kg	3.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.36	1
Trichloroethene	ND		ug/kg	1.7	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	8.4	0.31	1
1,3-Dichlorobenzene	ND		ug/kg	8.4	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	8.4	0.41	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06 Date Collected: 12/03/13 09:05

Client ID: SB08_10-11 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.4	0.18	1
p/m-Xylene	ND		ug/kg	3.4	0.54	1
o-Xylene	ND		ug/kg	3.4	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.4	0.52	1
Dichlorodifluoromethane	ND		ug/kg	17	0.37	1
Acetone	9.5	J	ug/kg	17	5.2	1
Carbon disulfide	ND		ug/kg	17	3.4	1
2-Butanone	ND		ug/kg	17	0.60	1
Vinyl acetate	ND		ug/kg	17	0.81	1
4-Methyl-2-pentanone	2.0	J	ug/kg	17	0.41	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.38	1
2-Hexanone	ND		ug/kg	17	0.32	1
Bromochloromethane	ND		ug/kg	8.4	0.33	1
2,2-Dichloropropane	ND		ug/kg	8.4	0.38	1
1,2-Dibromoethane	ND		ug/kg	6.8	0.30	1
1,3-Dichloropropane	ND		ug/kg	8.4	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.4	0.35	1
n-Butylbenzene	ND		ug/kg	1.7	0.33	1
sec-Butylbenzene	ND		ug/kg	1.7	0.35	1
tert-Butylbenzene	ND		ug/kg	8.4	0.95	1
o-Chlorotoluene	ND		ug/kg	8.4	0.27	1
p-Chlorotoluene	ND		ug/kg	8.4	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.4	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.4	0.71	1
Isopropylbenzene	ND		ug/kg	1.7	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.32	1
Naphthalene	6.2	J	ug/kg	8.4	1.3	1
Acrylonitrile	ND		ug/kg	17	0.40	1
n-Propylbenzene	ND		ug/kg	1.7	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.4	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.4	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.4	0.97	1
1,4-Dioxane	ND		ug/kg	170	29.	1
1,4-Diethylbenzene	ND		ug/kg	6.8	0.27	1
4-Ethyltoluene	ND		ug/kg	6.8	0.20	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06 Date Collected: 12/03/13 09:05

Client ID: SB08_10-11 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.8	0.22	1
Ethyl ether	ND		ug/kg	8.4	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07
Client ID: SB09_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 14:49
Analyst: BN
Percent Solids: 87%

Date Collected: 12/03/13 10:30
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	3.4	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.30	1
Chloroform	ND		ug/kg	2.6	0.63	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
1,2-Dichloropropane	ND		ug/kg	6.0	0.39	1
Dibromochloromethane	ND		ug/kg	1.7	0.52	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.52	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.5	0.21	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.39	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.22	1
1,1-Dichloropropene	ND		ug/kg	8.5	0.77	1
Bromoform	ND		ug/kg	6.8	0.70	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.29	1
Benzene	ND		ug/kg	1.7	0.20	1
Toluene	ND		ug/kg	2.6	0.19	1
Ethylbenzene	ND		ug/kg	1.7	0.25	1
Chloromethane	ND		ug/kg	8.5	1.3	1
Bromomethane	ND		ug/kg	3.4	0.57	1
Vinyl chloride	ND		ug/kg	3.4	0.24	1
Chloroethane	ND		ug/kg	3.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.36	1
Trichloroethene	ND		ug/kg	1.7	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	8.5	0.31	1
1,3-Dichlorobenzene	ND		ug/kg	8.5	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	8.5	0.41	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07 Date Collected: 12/03/13 10:30

Client ID: SB09_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.4	0.18	1
p/m-Xylene	ND		ug/kg	3.4	0.55	1
o-Xylene	ND		ug/kg	3.4	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.4	0.53	1
Dichlorodifluoromethane	ND		ug/kg	17	0.37	1
Acetone	5.6	J	ug/kg	17	5.3	1
Carbon disulfide	ND		ug/kg	17	3.4	1
2-Butanone	ND		ug/kg	17	0.60	1
Vinyl acetate	ND		ug/kg	17	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.42	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.38	1
2-Hexanone	ND		ug/kg	17	0.32	1
Bromochloromethane	ND		ug/kg	8.5	0.33	1
2,2-Dichloropropane	ND		ug/kg	8.5	0.38	1
1,2-Dibromoethane	ND		ug/kg	6.8	0.30	1
1,3-Dichloropropane	ND		ug/kg	8.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.5	0.35	1
n-Butylbenzene	ND		ug/kg	1.7	0.34	1
sec-Butylbenzene	ND		ug/kg	1.7	0.35	1
tert-Butylbenzene	ND		ug/kg	8.5	0.95	1
o-Chlorotoluene	ND		ug/kg	8.5	0.27	1
p-Chlorotoluene	ND		ug/kg	8.5	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.5	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.5	0.72	1
Isopropylbenzene	ND		ug/kg	1.7	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.32	1
Naphthalene	ND		ug/kg	8.5	1.3	1
Acrylonitrile	ND		ug/kg	17	0.40	1
n-Propylbenzene	ND		ug/kg	1.7	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.5	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.5	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.5	0.97	1
1,4-Dioxane	ND		ug/kg	170	30.	1
1,4-Diethylbenzene	ND		ug/kg	6.8	0.27	1
4-Ethyltoluene	ND		ug/kg	6.8	0.20	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07 Date Collected: 12/03/13 10:30

Client ID: SB09_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.8	0.22	1
Ethyl ether	ND		ug/kg	8.5	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08
Client ID: SB09_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/13 15:16
Analyst: BN
Percent Solids: 83%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.45	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08 Date Collected: 12/03/13 10:35

Client ID: SB09_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	53		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	9.4	J	ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.75	1
o-Chlorotoluene	ND		ug/kg	6.7	0.21	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.4	0.21	1
4-Ethyltoluene	ND		ug/kg	5.4	0.16	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08 Date Collected: 12/03/13 10:35

Client ID: SB09_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.17	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-09	Date Collected:	12/03/13 00:00
Client ID:	TRIP BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/08/13 14:45		
Analyst:	PD		

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-09 Date Collected: 12/03/13 00:00

Client ID: TRIP BLANK Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-09 Date Collected: 12/03/13 00:00

Client ID: TRIP BLANK Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-10	Date Collected:	12/03/13 11:11
Client ID:	FIELD BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/08/13 15:13		
Analyst:	PD		

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-10 Date Collected: 12/03/13 11:11

Client ID: FIELD BLANK Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-10 Date Collected: 12/03/13 11:11

Client ID: FIELD BLANK Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 11:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG657172-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 11:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG657172-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	1.2
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 11:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG657172-3					
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 11:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG657172-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 10:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07-08 Batch: WG657373-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.26	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 10:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07-08 Batch: WG657373-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 10:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07-08 Batch: WG657373-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/13 10:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05,07-08 Batch: WG657373-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG657412-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	2.0		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG657412-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG657412-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/13 13:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG657412-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/10/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG657762-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.4	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/10/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG657762-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/10/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG657762-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/10/13 09:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG657762-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG657172-1 WG657172-2								
Methylene chloride	97		95		70-130	2		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	101		98		70-130	3		20
2-Chloroethylvinyl ether	80		76		70-130	5		20
Carbon tetrachloride	100		94		63-132	6		20
1,2-Dichloropropane	95		93		70-130	2		20
Dibromochloromethane	98		97		63-130	1		20
1,1,2-Trichloroethane	101		100		70-130	1		20
Tetrachloroethene	104		100		70-130	4		20
Chlorobenzene	102		99		75-130	3		20
Trichlorofluoromethane	102		97		62-150	5		20
1,2-Dichloroethane	96		95		70-130	1		20
1,1,1-Trichloroethane	101		96		67-130	5		20
Bromodichloromethane	96		93		67-130	3		20
trans-1,3-Dichloropropene	101		98		70-130	3		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	94		90		54-136	4		20
1,1,2,2-Tetrachloroethane	94		93		67-130	1		20
Benzene	98		94		70-130	4		20
Toluene	106		102		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG657172-1 WG657172-2								
Ethylbenzene	105		102		70-130	3		20
Chloromethane	76		75		64-130	1		20
Bromomethane	59		60		39-139	2		20
Vinyl chloride	86		81		55-140	6		20
Chloroethane	98		95		55-138	3		20
1,1-Dichloroethene	98		94		61-145	4		20
trans-1,2-Dichloroethene	98		94		70-130	4		20
Trichloroethene	98		93		70-130	5		20
1,2-Dichlorobenzene	102		100		70-130	2		20
1,3-Dichlorobenzene	103		100		70-130	3		20
1,4-Dichlorobenzene	103		101		70-130	2		20
Methyl tert butyl ether	90		91		63-130	1		20
p/m-Xylene	109		104		70-130	5		20
o-Xylene	107		103		70-130	4		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Dibromomethane	91		90		70-130	1		20
1,2,3-Trichloropropane	101		100		64-130	1		20
Acrylonitrile	91		91		70-130	0		20
Isopropyl Ether	97		95		70-130	2		20
tert-Butyl Alcohol	100		102		70-130	2		20
Styrene	112		108		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG657172-1 WG657172-2								
Dichlorodifluoromethane	60		57		36-147	5		20
Acetone	100		89		58-148	12		20
Carbon disulfide	91		85		51-130	7		20
2-Butanone	88		84		63-138	5		20
Vinyl acetate	93		92		70-130	1		20
4-Methyl-2-pentanone	83		84		59-130	1		20
2-Hexanone	88		88		57-130	0		20
Bromochloromethane	95		93		70-130	2		20
2,2-Dichloropropane	99		93		63-133	6		20
1,2-Dibromoethane	96		95		70-130	1		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	105		101		64-130	4		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	111		106		53-136	5		20
sec-Butylbenzene	108		103		70-130	5		20
tert-Butylbenzene	104		99		70-130	5		20
o-Chlorotoluene	107		102		70-130	5		20
p-Chlorotoluene	105		101		70-130	4		20
1,2-Dibromo-3-chloropropane	104		103		41-144	1		20
Hexachlorobutadiene	104		99		63-130	5		20
Isopropylbenzene	101		95		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG657172-1 WG657172-2								
p-Isopropyltoluene	107		102		70-130	5		20
Naphthalene	92		94		70-130	2		20
n-Propylbenzene	104		99		69-130	5		20
1,2,3-Trichlorobenzene	97		98		70-130	1		20
1,2,4-Trichlorobenzene	100		102		70-130	2		20
1,3,5-Trimethylbenzene	109		104		64-130	5		20
1,2,4-Trimethylbenzene	106		102		70-130	4		20
Methyl Acetate	92		90		70-130	2		20
Ethyl Acetate	90		91		70-130	1		20
Cyclohexane	99		93		70-130	6		20
Ethyl-Tert-Butyl-Ether	93		93		70-130	0		20
Tertiary-Amyl Methyl Ether	89		89		66-130	0		20
1,4-Dioxane	108		110		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		95		70-130	6		20
1,4-Diethylbenzene	108		104		70-130	4		20
4-Ethyltoluene	106		101		70-130	5		20
1,2,4,5-Tetramethylbenzene	106		106		70-130	0		20
Ethyl ether	98		97		59-134	1		20
trans-1,4-Dichloro-2-butene	72		73		70-130	1		20
Iodomethane	**61**	Q	**62**	Q	70-130	2		20
Methyl cyclohexane	98		93		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG657172-1 WG657172-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07-08 Batch: WG657373-1 WG657373-2								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	110		109		70-130	1		30
Chloroform	106		106		70-130	0		30
Carbon tetrachloride	101		101		70-130	0		30
1,2-Dichloropropane	110		111		70-130	1		30
Dibromochloromethane	97		99		70-130	2		30
2-Chloroethylvinyl ether	77		80		70-130	4		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	102		104		70-130	2		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	123		121		70-139	2		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	105		107		70-130	2		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	100		100		70-130	0		30
cis-1,3-Dichloropropene	110		111		70-130	1		30
1,1-Dichloropropene	113		114		70-130	1		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	99		99		70-130	0		30
Benzene	110		112		70-130	2		30
Toluene	99		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07-08 Batch: WG657373-1 WG657373-2								
Ethylbenzene	102		102		70-130	0		30
Chloromethane	100		100		52-130	0		30
Bromomethane	120		117		57-147	3		30
Vinyl chloride	123		120		67-130	2		30
Chloroethane	135		127		50-151	6		30
1,1-Dichloroethene	116		118		65-135	2		30
trans-1,2-Dichloroethene	113		112		70-130	1		30
Trichloroethene	114		112		70-130	2		30
1,2-Dichlorobenzene	98		100		70-130	2		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	106		105		70-130	1		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	109		111		70-130	2		30
Dibromomethane	108		109		70-130	1		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	102		102		30-146	0		30
Acetone	134		124		54-140	8		30
Carbon disulfide	105		104		59-130	1		30
2-Butanone	116		111		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07-08 Batch: WG657373-1 WG657373-2								
Vinyl acetate	111		114		70-130	3		30
4-Methyl-2-pentanone	110		116		70-130	5		30
1,2,3-Trichloropropane	97		98		68-130	1		30
2-Hexanone	96		98		70-130	2		30
Bromochloromethane	116		117		70-130	1		30
2,2-Dichloropropane	109		109		70-130	0		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	99		100		69-130	1		30
1,1,1,2-Tetrachloroethane	99		100		70-130	1		30
Bromobenzene	98		99		70-130	1		30
n-Butylbenzene	104		104		70-130	0		30
sec-Butylbenzene	104		104		70-130	0		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	99		98		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	92		101		68-130	9		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	100		99		70-130	1		30
p-Isopropyltoluene	104		103		70-130	1		30
Naphthalene	97		101		70-130	4		30
Acrylonitrile	112		118		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07-08 Batch: WG657373-1 WG657373-2								
Isopropyl Ether	111		113		66-130	2		30
tert-Butyl Alcohol	97		103		70-130	6		30
n-Propylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	98		101		70-130	3		30
1,2,4-Trichlorobenzene	96		99		70-130	3		30
1,3,5-Trimethylbenzene	101		100		70-130	1		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Methyl Acetate	109		111		51-146	2		30
Ethyl Acetate	109		113		70-130	4		30
Acrolein	109		116		70-130	6		30
Cyclohexane	122		122		59-142	0		30
1,4-Dioxane	109		115		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	123		120		50-139	2		30
1,4-Diethylbenzene	102		103		70-130	1		30
4-Ethyltoluene	102		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	99		102		70-130	3		30
Tetrahydrofuran	117		122		66-130	4		30
Ethyl ether	112		111		67-130	1		30
trans-1,4-Dichloro-2-butene	93		99		70-130	6		30
Methyl cyclohexane	125		124		70-130	1		30
Ethyl-Tert-Butyl-Ether	107		107		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05,07-08 Batch: WG657373-1 WG657373-2								
Tertiary-Amyl Methyl Ether	107		107		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG657412-1 WG657412-2								
Methylene chloride	98		101		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	96		97		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	92		94		70-130	2		30
2-Chloroethylvinyl ether	**57**	Q	**61**	Q	70-130	7		30
1,1,2-Trichloroethane	96		97		70-130	1		30
Tetrachloroethene	99		99		70-130	0		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	119		119		70-139	0		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	101		104		70-130	3		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	108		110		70-130	2		30
Bromoform	86		89		70-130	3		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	107		109		70-130	2		30
Toluene	97		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG657412-1 WG657412-2								
Ethylbenzene	98		99		70-130	1		30
Chloromethane	109		108		52-130	1		30
Bromomethane	120		117		57-147	3		30
Vinyl chloride	130		129		67-130	1		30
Chloroethane	135		135		50-151	0		30
1,1-Dichloroethene	113		114		65-135	1		30
trans-1,2-Dichloroethene	105		111		70-130	6		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	102		103		70-130	1		30
o-Xylene	100		103		70-130	3		30
cis-1,2-Dichloroethene	106		110		70-130	4		30
Dibromomethane	107		108		70-130	1		30
Styrene	101		101		70-130	0		30
Dichlorodifluoromethane	122		124		30-146	2		30
Acetone	113		113		54-140	0		30
Carbon disulfide	103		104		59-130	1		30
2-Butanone	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG657412-1 WG657412-2								
Vinyl acetate	107		111		70-130	4		30
4-Methyl-2-pentanone	101		109		70-130	8		30
1,2,3-Trichloropropane	88		92		68-130	4		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	111		112		70-130	1		30
2,2-Dichloropropane	106		108		70-130	2		30
1,2-Dibromoethane	96		99		70-130	3		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	97		98		70-130	1		30
tert-Butylbenzene	94		96		70-130	2		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30
Hexachlorobutadiene	91		92		67-130	1		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	98		97		70-130	1		30
Naphthalene	91		94		70-130	3		30
Acrylonitrile	105		116		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG657412-1 WG657412-2								
Isopropyl Ether	108		109		66-130	1		30
tert-Butyl Alcohol	89		96		70-130	8		30
n-Propylbenzene	96		97		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	91		91		70-130	0		30
1,3,5-Trimethylbenzene	93		94		70-130	1		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30
Methyl Acetate	102		105		51-146	3		30
Ethyl Acetate	104		109		70-130	5		30
Acrolein	107		111		70-130	4		30
Cyclohexane	111		113		59-142	2		30
1,4-Dioxane	97		105		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		112		50-139	0		30
1,4-Diethylbenzene	96		96		70-130	0		30
4-Ethyltoluene	95		95		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	110		119		66-130	8		30
Ethyl ether	104		106		67-130	2		30
trans-1,4-Dichloro-2-butene	90		94		70-130	4		30
Methyl cyclohexane	112		112		70-130	0		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG657412-1 WG657412-2								
Tertiary-Amyl Methyl Ether	102		103		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		93		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG657762-1 WG657762-2								
Methylene chloride	100		104		70-130	4		30
1,1-Dichloroethane	108		113		70-130	5		30
Chloroform	103		106		70-130	3		30
Carbon tetrachloride	99		103		70-130	4		30
1,2-Dichloropropane	108		113		70-130	5		30
Dibromochloromethane	91		97		70-130	6		30
2-Chloroethylvinyl ether	72		74		70-130	3		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	96		98		70-130	2		30
Trichlorofluoromethane	118		121		70-139	3		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	105		110		70-130	5		30
Bromodichloromethane	103		107		70-130	4		30
trans-1,3-Dichloropropene	94		98		70-130	4		30
cis-1,3-Dichloropropene	106		109		70-130	3		30
1,1-Dichloropropene	110		114		70-130	4		30
Bromoform	84		88		70-130	5		30
1,1,2,2-Tetrachloroethane	91		94		70-130	3		30
Benzene	107		111		70-130	4		30
Toluene	94		98		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG657762-1 WG657762-2								
Ethylbenzene	96		97		70-130	1		30
Chloromethane	100		102		52-130	2		30
Bromomethane	109		115		57-147	5		30
Vinyl chloride	122		127		67-130	4		30
Chloroethane	129		137		50-151	6		30
1,1-Dichloroethene	114		118		65-135	3		30
trans-1,2-Dichloroethene	107		113		70-130	5		30
Trichloroethene	110		112		70-130	2		30
1,2-Dichlorobenzene	90		88		70-130	2		30
1,3-Dichlorobenzene	92		90		70-130	2		30
1,4-Dichlorobenzene	89		87		70-130	2		30
Methyl tert butyl ether	96		100		66-130	4		30
p/m-Xylene	100		101		70-130	1		30
o-Xylene	100		100		70-130	0		30
cis-1,2-Dichloroethene	108		112		70-130	4		30
Dibromomethane	106		112		70-130	6		30
Styrene	99		99		70-130	0		30
Dichlorodifluoromethane	98		103		30-146	5		30
Acetone	121		113		54-140	7		30
Carbon disulfide	102		106		59-130	4		30
2-Butanone	111		104		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG657762-1 WG657762-2								
Vinyl acetate	109		113		70-130	4		30
4-Methyl-2-pentanone	104		106		70-130	2		30
1,2,3-Trichloropropane	90		90		68-130	0		30
2-Hexanone	92		91		70-130	1		30
Bromochloromethane	110		114		70-130	4		30
2,2-Dichloropropane	108		113		70-130	5		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	93		98		69-130	5		30
1,1,1,2-Tetrachloroethane	92		96		70-130	4		30
Bromobenzene	90		91		70-130	1		30
n-Butylbenzene	97		90		70-130	7		30
sec-Butylbenzene	97		95		70-130	2		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	91		92		70-130	1		30
p-Chlorotoluene	91		89		70-130	2		30
1,2-Dibromo-3-chloropropane	91		89		68-130	2		30
Hexachlorobutadiene	89		81		67-130	9		30
Isopropylbenzene	92		92		70-130	0		30
p-Isopropyltoluene	95		91		70-130	4		30
Naphthalene	89		88		70-130	1		30
Acrylonitrile	107		113		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG657762-1 WG657762-2								
Isopropyl Ether	109		116		66-130	6		30
tert-Butyl Alcohol	93		95		70-130	2		30
n-Propylbenzene	95		94		70-130	1		30
1,2,3-Trichlorobenzene	90		84		70-130	7		30
1,2,4-Trichlorobenzene	87		82		70-130	6		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	92		90		70-130	2		30
Methyl Acetate	108		110		51-146	2		30
Ethyl Acetate	108		108		70-130	0		30
Acrolein	108		113		70-130	5		30
Cyclohexane	112		119		59-142	6		30
1,4-Dioxane	109		110		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		119		50-139	4		30
1,4-Diethylbenzene	94		88		70-130	7		30
4-Ethyltoluene	94		90		70-130	4		30
1,2,4,5-Tetramethylbenzene	91		84		70-130	8		30
Tetrahydrofuran	108		114		66-130	5		30
Ethyl ether	100		108		67-130	8		30
trans-1,4-Dichloro-2-butene	88		93		70-130	6		30
Methyl cyclohexane	112		117		70-130	4		30
Ethyl-Tert-Butyl-Ether	103		108		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG657762-1 WG657762-2								
Tertiary-Amyl Methyl Ether	101		106		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	104		102		70-130

SEMIVOLATILES

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-01	Date Collected:	12/03/13 11:40
Client ID:	SB06_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/06/13 23:54		
Analyst:	RC		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	57	J	ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	940		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	520		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01 Date Collected: 12/03/13 11:40

Client ID: SB06_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	520		ug/kg	150	46.	1
Benzo(b)fluoranthene	590		ug/kg	110	38.	1
Benzo(k)fluoranthene	230		ug/kg	110	36.	1
Chrysene	580		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	160		ug/kg	110	31.	1
Benzo(ghi)perylene	350		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	680		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	79	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	350		ug/kg	150	42.	1
Pyrene	900		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	52	J	ug/kg	190	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01 Date Collected: 12/03/13 11:40

Client ID: SB06_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	86		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-02	Date Collected:	12/03/13 11:45
Client ID:	SB06_5-6	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 00:19		
Analyst:	RC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	4100		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	250		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	560		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	2100		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02 Date Collected: 12/03/13 11:45

Client ID: SB06_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2200		ug/kg	150	46.	1
Benzo(b)fluoranthene	2600		ug/kg	110	38.	1
Benzo(k)fluoranthene	1100		ug/kg	110	36.	1
Chrysene	2000		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	380		ug/kg	110	31.	1
Benzo(ghi)perylene	1300		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	1800		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	320		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	1500		ug/kg	150	42.	1
Pyrene	4100		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	150	J	ug/kg	190	63.	1
2-Methylnaphthalene	120	J	ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	200	J	ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	140	J	ug/kg	190	40.	1

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02
Client ID: SB06_5-6
Sample Location: QUEENS, NY
Date Collected: 12/03/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	11		0-136
4-Terphenyl-d14	81		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-03	D2	Date Collected:	12/03/13 11:00
Client ID:	SB07_0-1		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	12/05/13 18:54
Analytical Date:	12/10/13 03:32			
Analyst:	RC			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	16000		ug/kg	470	140	4
Phenanthrene	18000		ug/kg	470	150	4
Pyrene	19000		ug/kg	470	150	4

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-03	D	Date Collected:	12/03/13 11:00
Client ID:	SB07_0-1		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 02:28			
Analyst:	RC			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900		ug/kg	310	80.	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	130	2
Hexachlorobenzene	ND		ug/kg	230	72.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	110	2
2-Chloronaphthalene	ND		ug/kg	390	130	2
1,2-Dichlorobenzene	ND		ug/kg	390	130	2
1,3-Dichlorobenzene	ND		ug/kg	390	120	2
1,4-Dichlorobenzene	ND		ug/kg	390	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	100	2
2,4-Dinitrotoluene	ND		ug/kg	390	84.	2
2,6-Dinitrotoluene	ND		ug/kg	390	100	2
Fluoranthene	16000	E	ug/kg	230	72.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	390	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	90.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	120	2
Hexachlorobutadiene	ND		ug/kg	390	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	250	2
Hexachloroethane	ND		ug/kg	310	71.	2
Isophorone	ND		ug/kg	350	100	2
Naphthalene	2500		ug/kg	390	130	2
Nitrobenzene	ND		ug/kg	350	93.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	82.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	390	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	390	100	2
Butyl benzyl phthalate	ND		ug/kg	390	76.	2
Di-n-butylphthalate	ND		ug/kg	390	75.	2
Di-n-octylphthalate	ND		ug/kg	390	96.	2
Diethyl phthalate	ND		ug/kg	390	82.	2
Dimethyl phthalate	ND		ug/kg	390	99.	2
Benzo(a)anthracene	8200		ug/kg	230	76.	2

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03 D Date Collected: 12/03/13 11:00

Client ID: SB07_0-1 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6600		ug/kg	310	95.	2
Benzo(b)fluoranthene	7200		ug/kg	230	79.	2
Benzo(k)fluoranthene	2400		ug/kg	230	74.	2
Chrysene	9400		ug/kg	230	76.	2
Acenaphthylene	490		ug/kg	310	73.	2
Anthracene	2900		ug/kg	230	65.	2
Benzo(ghi)perylene	3400		ug/kg	310	81.	2
Fluorene	2000		ug/kg	390	110	2
Phenanthrene	18000	E	ug/kg	230	76.	2
Dibenzo(a,h)anthracene	1000		ug/kg	230	75.	2
Indeno(1,2,3-cd)Pyrene	3400		ug/kg	310	86.	2
Pyrene	19000	E	ug/kg	230	76.	2
Biphenyl	180	J	ug/kg	890	130	2
4-Chloroaniline	ND		ug/kg	390	100	2
2-Nitroaniline	ND		ug/kg	390	110	2
3-Nitroaniline	ND		ug/kg	390	110	2
4-Nitroaniline	ND		ug/kg	390	100	2
Dibenzofuran	740		ug/kg	390	130	2
2-Methylnaphthalene	780		ug/kg	470	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	390	120	2
Acetophenone	ND		ug/kg	390	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	73.	2
P-Chloro-M-Cresol	ND		ug/kg	390	110	2
2-Chlorophenol	ND		ug/kg	390	120	2
2,4-Dichlorophenol	ND		ug/kg	350	130	2
2,4-Dimethylphenol	ND		ug/kg	390	120	2
2-Nitrophenol	ND		ug/kg	840	120	2
4-Nitrophenol	ND		ug/kg	540	130	2
2,4-Dinitrophenol	ND		ug/kg	1900	530	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	140	2
Pentachlorophenol	ND		ug/kg	310	83.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	120	2
3-Methylphenol/4-Methylphenol	380	J	ug/kg	560	130	2
2,4,5-Trichlorophenol	ND		ug/kg	390	130	2
Benzoic Acid	ND		ug/kg	1300	390	2
Benzyl Alcohol	ND		ug/kg	390	120	2
Carbazole	840		ug/kg	390	84.	2

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03 D Date Collected: 12/03/13 11:00

Client ID: SB07_0-1 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	100		0-136
4-Terphenyl-d14	80		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-05	Date Collected:	12/03/13 09:00
Client ID:	SB08_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 00:45		
Analyst:	RC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	84	J	ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	1400		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	680		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05 Date Collected: 12/03/13 09:00

Client ID: SB08_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	670		ug/kg	150	46.	1
Benzo(b)fluoranthene	780		ug/kg	110	38.	1
Benzo(k)fluoranthene	320		ug/kg	110	36.	1
Chrysene	690		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	250		ug/kg	110	31.	1
Benzo(ghi)perylene	480		ug/kg	150	39.	1
Fluorene	100	J	ug/kg	190	54.	1
Phenanthrene	1200		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	500		ug/kg	150	42.	1
Pyrene	1300		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	110	J	ug/kg	190	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05 Date Collected: 12/03/13 09:00

Client ID: SB08_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	64		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-06	Date Collected:	12/03/13 09:05
Client ID:	SB08_10-11	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 01:11		
Analyst:	RC		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	49.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	78.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	67.	1
2-Chloronaphthalene	ND		ug/kg	240	78.	1
1,2-Dichlorobenzene	ND		ug/kg	240	79.	1
1,3-Dichlorobenzene	ND		ug/kg	240	76.	1
1,4-Dichlorobenzene	ND		ug/kg	240	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	61.	1
Fluoranthene	260		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	73.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	55.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	84.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	72.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	150	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	91	J	ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	71.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	59.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	61.	1
Benzo(a)anthracene	100	J	ug/kg	140	47.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06 Date Collected: 12/03/13 09:05

Client ID: SB08_10-11 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	83	J	ug/kg	190	59.	1
Benzo(b)fluoranthene	110	J	ug/kg	140	48.	1
Benzo(k)fluoranthene	ND		ug/kg	140	46.	1
Chrysene	100	J	ug/kg	140	47.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	48	J	ug/kg	140	40.	1
Benzo(ghi)perylene	56	J	ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	260		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	46.	1
Indeno(1,2,3-cd)Pyrene	55	J	ug/kg	190	53.	1
Pyrene	220		ug/kg	140	46.	1
Biphenyl	ND		ug/kg	550	79.	1
4-Chloroaniline	ND		ug/kg	240	63.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	66.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	80.	1
2-Methylnaphthalene	ND		ug/kg	290	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	74.	1
Acetophenone	ND		ug/kg	240	74.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
P-Chloro-M-Cresol	ND		ug/kg	240	69.	1
2-Chlorophenol	ND		ug/kg	240	72.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	71.	1
2-Nitrophenol	ND		ug/kg	520	75.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1100	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	620	88.	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	ND		ug/kg	240	71.	1
2-Methylphenol	ND		ug/kg	240	77.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	78.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Benzoic Acid	ND		ug/kg	780	240	1
Benzyl Alcohol	ND		ug/kg	240	74.	1
Carbazole	ND		ug/kg	240	52.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06 Date Collected: 12/03/13 09:05

Client ID: SB08_10-11 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	62		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-07	Date Collected:	12/03/13 10:30
Client ID:	SB09_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 01:37		
Analyst:	RC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	120	J	ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	750		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	120	J	ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	75	J	ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	380		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07 Date Collected: 12/03/13 10:30

Client ID: SB09_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	390		ug/kg	150	46.	1
Benzo(b)fluoranthene	560		ug/kg	110	38.	1
Benzo(k)fluoranthene	180		ug/kg	110	36.	1
Chrysene	420		ug/kg	110	37.	1
Acenaphthylene	47	J	ug/kg	150	36.	1
Anthracene	75	J	ug/kg	110	32.	1
Benzo(ghi)perylene	290		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	420		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	320		ug/kg	150	42.	1
Pyrene	680		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	51	J	ug/kg	190	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07 Date Collected: 12/03/13 10:30

Client ID: SB09_1-2 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	70		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-08	Date Collected:	12/03/13 10:35
Client ID:	SB09_5-6	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	12/05/13 18:54
Analytical Date:	12/07/13 02:02		
Analyst:	RC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	780	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	980	320	5
Hexachlorobenzene	ND		ug/kg	580	180	5
Bis(2-chloroethyl)ether	ND		ug/kg	880	270	5
2-Chloronaphthalene	ND		ug/kg	980	320	5
1,2-Dichlorobenzene	ND		ug/kg	980	320	5
1,3-Dichlorobenzene	ND		ug/kg	980	310	5
1,4-Dichlorobenzene	ND		ug/kg	980	300	5
3,3'-Dichlorobenzidine	ND		ug/kg	980	260	5
2,4-Dinitrotoluene	ND		ug/kg	980	210	5
2,6-Dinitrotoluene	ND		ug/kg	980	250	5
Fluoranthene	390	J	ug/kg	580	180	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	300	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	220	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	340	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	300	5
Hexachlorobutadiene	ND		ug/kg	980	280	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	630	5
Hexachloroethane	ND		ug/kg	780	180	5
Isophorone	ND		ug/kg	880	260	5
Naphthalene	ND		ug/kg	980	320	5
Nitrobenzene	ND		ug/kg	880	230	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	780	200	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	290	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	980	260	5
Butyl benzyl phthalate	ND		ug/kg	980	190	5
Di-n-butylphthalate	ND		ug/kg	980	190	5
Di-n-octylphthalate	ND		ug/kg	980	240	5
Diethyl phthalate	ND		ug/kg	980	210	5
Dimethyl phthalate	ND		ug/kg	980	250	5
Benzo(a)anthracene	540	J	ug/kg	580	190	5

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08 Date Collected: 12/03/13 10:35

Client ID: SB09_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	400	J	ug/kg	780	240	5
Benzo(b)fluoranthene	580		ug/kg	580	200	5
Benzo(k)fluoranthene	ND		ug/kg	580	190	5
Chrysene	1000		ug/kg	580	190	5
Acenaphthylene	ND		ug/kg	780	180	5
Anthracene	ND		ug/kg	580	160	5
Benzo(ghi)perylene	200	J	ug/kg	780	200	5
Fluorene	ND		ug/kg	980	280	5
Phenanthrene	420	J	ug/kg	580	190	5
Dibenzo(a,h)anthracene	ND		ug/kg	580	190	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	780	220	5
Pyrene	810		ug/kg	580	190	5
Biphenyl	ND		ug/kg	2200	320	5
4-Chloroaniline	ND		ug/kg	980	260	5
2-Nitroaniline	ND		ug/kg	980	280	5
3-Nitroaniline	ND		ug/kg	980	270	5
4-Nitroaniline	ND		ug/kg	980	260	5
Dibenzofuran	ND		ug/kg	980	320	5
2-Methylnaphthalene	ND		ug/kg	1200	310	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	980	300	5
Acetophenone	ND		ug/kg	980	300	5
2,4,6-Trichlorophenol	ND		ug/kg	580	180	5
P-Chloro-M-Cresol	ND		ug/kg	980	280	5
2-Chlorophenol	ND		ug/kg	980	290	5
2,4-Dichlorophenol	ND		ug/kg	880	320	5
2,4-Dimethylphenol	ND		ug/kg	980	290	5
2-Nitrophenol	ND		ug/kg	2100	300	5
4-Nitrophenol	ND		ug/kg	1400	320	5
2,4-Dinitrophenol	ND		ug/kg	4700	1300	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	360	5
Pentachlorophenol	ND		ug/kg	780	210	5
Phenol	ND		ug/kg	980	290	5
2-Methylphenol	ND		ug/kg	980	310	5
3-Methylphenol/4-Methylphenol	830	J	ug/kg	1400	320	5
2,4,5-Trichlorophenol	ND		ug/kg	980	320	5
Benzoic Acid	ND		ug/kg	3200	990	5
Benzyl Alcohol	ND		ug/kg	980	300	5
Carbazole	ND		ug/kg	980	210	5

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08 Date Collected: 12/03/13 10:35

Client ID: SB09_5-6 Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	59		18-120

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-10	Date Collected:	12/03/13 11:11
Client ID:	FIELD BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/04/13 15:57
Analytical Date:	12/07/13 18:48		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1324502

Project Number: 170281401 **Report Date:** 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-10 Date Collected: 12/03/13 11:11

Client ID: FIELD BLANK Date Received: 12/03/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	115		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-10	Date Collected:	12/03/13 11:11
Client ID:	FIELD BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/04/13 16:05
Analytical Date:	12/06/13 12:10		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	115		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/13 15:12
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/04/13 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG656231-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/13 15:12
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/04/13 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG656231-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	129		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/06/13 10:40
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/04/13 16:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG656233-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/06/13 10:40
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/04/13 16:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG656233-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	114		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 10:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/05/13 18:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-08 Batch: WG656599-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 10:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/05/13 18:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-08 Batch: WG656599-1					
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/06/13 10:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/05/13 18:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-08 Batch: WG656599-1					
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	73		0-136
4-Terphenyl-d14	79		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG656231-2 WG656231-3								
1,2,4-Trichlorobenzene	90		92		39-98	2		30
Bis(2-chloroethyl)ether	75		78		40-140	4		30
1,2-Dichlorobenzene	76		78		40-140	3		30
1,3-Dichlorobenzene	76		78		40-140	3		30
1,4-Dichlorobenzene	74		75		36-97	1		30
3,3'-Dichlorobenzidine	105		110		40-140	5		30
2,4-Dinitrotoluene	**117**	Q	**121**	Q	24-96	3		30
2,6-Dinitrotoluene	112		114		40-140	2		30
4-Chlorophenyl phenyl ether	109		114		40-140	4		30
4-Bromophenyl phenyl ether	118		121		40-140	3		30
Bis(2-chloroisopropyl)ether	61		65		40-140	6		30
Bis(2-chloroethoxy)methane	72		76		40-140	5		30
Hexachlorocyclopentadiene	87		88		40-140	1		30
Isophorone	74		77		40-140	4		30
Nitrobenzene	88		93		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		117		40-140	4		30
n-Nitrosodi-n-propylamine	71		75		29-132	5		30
Bis(2-Ethylhexyl)phthalate	130		134		40-140	3		30
Butyl benzyl phthalate	128		135		40-140	5		30
Di-n-butylphthalate	122		126		40-140	3		30
Di-n-octylphthalate	**143**	Q	**151**	Q	40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG656231-2 WG656231-3								
Diethyl phthalate	116		119		40-140	3		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	92		95			3		30
4-Chloroaniline	73		77		40-140	5		30
2-Nitroaniline	109		111		52-143	2		30
3-Nitroaniline	83		87		25-145	5		30
4-Nitroaniline	110		115		51-143	4		30
Dibenzofuran	103		108		40-140	5		30
1,2,4,5-Tetrachlorobenzene	95		99		2-134	4		30
Acetophenone	78		83		39-129	6		30
2,4,6-Trichlorophenol	115		119		30-130	3		30
P-Chloro-M-Cresol	**111**	Q	**112**	Q	23-97	1		30
2-Chlorophenol	84		90		27-123	7		30
2,4-Dichlorophenol	107		112		30-130	5		30
2,4-Dimethylphenol	82		88		30-130	7		30
2-Nitrophenol	85		89		30-130	5		30
4-Nitrophenol	79		**85**	Q	10-80	7		30
2,4-Dinitrophenol	108		113		20-130	5		30
4,6-Dinitro-o-cresol	131		136		20-164	4		30
Phenol	41		40		12-110	2		30
2-Methylphenol	72		76		30-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG656231-2 WG656231-3								
3-Methylphenol/4-Methylphenol	68		72		30-130	6		30
2,4,5-Trichlorophenol	120		122		30-130	2		30
Benzoic Acid	60		58			3		30
Benzyl Alcohol	72		79			9		30
Carbazole	116		119		55-144	3		30
Benzaldehyde	70		73			4		30
Caprolactam	33		33			0		30
Atrazine	135		138			2		30
2,3,4,6-Tetrachlorophenol	126		131			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		72		21-120
Phenol-d6	41		43		10-120
Nitrobenzene-d5	80		85		23-120
2-Fluorobiphenyl	106		110		15-120
2,4,6-Tribromophenol	**136**	Q	**140**	Q	10-120
4-Terphenyl-d14	133		140		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG656233-2 WG656233-3								
Acenaphthene	75		85		37-111	13		40
2-Chloronaphthalene	77		89		40-140	14		40
Fluoranthene	100		108		40-140	8		40
Hexachlorobutadiene	64		75		40-140	16		40
Naphthalene	74		85		40-140	14		40
Benzo(a)anthracene	99		104		40-140	5		40
Benzo(a)pyrene	90		96		40-140	6		40
Benzo(b)fluoranthene	93		103		40-140	10		40
Benzo(k)fluoranthene	95		101		40-140	6		40
Chrysene	86		90		40-140	5		40
Acenaphthylene	86		98		40-140	13		40
Anthracene	89		95		40-140	7		40
Benzo(ghi)perylene	77		80		40-140	4		40
Fluorene	75		86		40-140	14		40
Phenanthrene	90		98		40-140	9		40
Dibenzo(a,h)anthracene	82		86		40-140	5		40
Indeno(1,2,3-cd)Pyrene	84		89		40-140	6		40
Pyrene	96		104		26-127	8		40
2-Methylnaphthalene	76		87		40-140	13		40
Pentachlorophenol	**108**	Q	**110**	Q	9-103	2		40
Hexachlorobenzene	82		90		40-140	9		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG656233-2 WG656233-3								
Hexachloroethane	71		81		40-140	13		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		62		21-120
Phenol-d6	42		46		10-120
Nitrobenzene-d5	93		102		23-120
2-Fluorobiphenyl	77		96		15-120
2,4,6-Tribromophenol	83		92		10-120
4-Terphenyl-d14	133		140		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG656599-2 WG656599-3								
Acenaphthene	78		82		31-137	5		50
Benzidine	18		27			40		50
n-Nitrosodimethylamine	72		76			5		50
1,2,4-Trichlorobenzene	79		85		38-107	7		50
Hexachlorobenzene	91		88		40-140	3		50
Bis(2-chloroethyl)ether	67		69		40-140	3		50
2-Chloronaphthalene	79		78		40-140	1		50
1,2-Dichlorobenzene	70		74		40-140	6		50
1,3-Dichlorobenzene	70		72		40-140	3		50
1,4-Dichlorobenzene	70		73		28-104	4		50
3,3'-Dichlorobenzidine	61		58		40-140	5		50
2,4-Dinitrotoluene	**92**	Q	88		28-89	4		50
2,6-Dinitrotoluene	88		79		40-140	11		50
Fluoranthene	89		87		40-140	2		50
4-Chlorophenyl phenyl ether	89		88		40-140	1		50
4-Bromophenyl phenyl ether	93		89		40-140	4		50
Azobenzene	81		80		40-140	1		50
Bis(2-chloroisopropyl)ether	55		56		40-140	2		50
Bis(2-chloroethoxy)methane	68		67		40-117	1		50
Hexachlorobutadiene	83		92		40-140	10		50
Hexachlorocyclopentadiene	69		72		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG656599-2 WG656599-3								
Hexachloroethane	68		71		40-140	4		50
Isophorone	66		64		40-140	3		50
Naphthalene	74		80		40-140	8		50
Nitrobenzene	75		79		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		84			4		50
n-Nitrosodi-n-propylamine	67		66		32-121	2		50
Bis(2-Ethylhexyl)phthalate	77		76		40-140	1		50
Butyl benzyl phthalate	82		79		40-140	4		50
Di-n-butylphthalate	84		81		40-140	4		50
Di-n-octylphthalate	75		73		40-140	3		50
Diethyl phthalate	87		83		40-140	5		50
Dimethyl phthalate	86		84		40-140	2		50
Benzo(a)anthracene	90		88		40-140	2		50
Benzo(a)pyrene	88		88		40-140	0		50
Benzo(b)fluoranthene	88		89		40-140	1		50
Benzo(k)fluoranthene	89		86		40-140	3		50
Chrysene	84		84		40-140	0		50
Acenaphthylene	81		77		40-140	5		50
Anthracene	86		85		40-140	1		50
Benzo(ghi)perylene	83		87		40-140	5		50
Fluorene	84		83		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG656599-2 WG656599-3								
Phenanthrene	87		86		40-140	1		50
Dibenzo(a,h)anthracene	86		88		40-140	2		50
Indeno(1,2,3-cd)Pyrene	84		87		40-140	4		50
Pyrene	87		86		35-142	1		50
Biphenyl	82		87			6		50
Aniline	43		42		40-140	2		50
4-Chloroaniline	66		62		40-140	6		50
2-Nitroaniline	86		79		47-134	8		50
3-Nitroaniline	62		57		26-129	8		50
4-Nitroaniline	87		86		41-125	1		50
Dibenzofuran	83		85		40-140	2		50
2-Methylnaphthalene	76		79		40-140	4		50
1,2,4,5-Tetrachlorobenzene	87		98		40-117	12		50
Acetophenone	76		76		14-144	0		50
2,4,6-Trichlorophenol	89		85		30-130	5		50
P-Chloro-M-Cresol	88		83		26-103	6		50
2-Chlorophenol	75		76		25-102	1		50
2,4-Dichlorophenol	85		86		30-130	1		50
2,4-Dimethylphenol	78		74		30-130	5		50
2-Nitrophenol	72		71		30-130	1		50
4-Nitrophenol	95		92		11-114	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG656599-2 WG656599-3								
2,4-Dinitrophenol	72		67		4-130	7		50
4,6-Dinitro-o-cresol	88		82		10-130	7		50
Pentachlorophenol	84		82		17-109	2		50
Phenol	71		70		26-90	1		50
2-Methylphenol	75		73		30-130.	3		50
3-Methylphenol/4-Methylphenol	74		72		30-130	3		50
2,4,5-Trichlorophenol	92		84		30-130	9		50
Benzoic Acid	30		30			0		50
Benzyl Alcohol	77		74		40-140	4		50
Carbazole	85		84		54-128	1		50
Benzaldehyde	64		67			5		50
Caprolactam	76		71			7		50
Atrazine	102		100			2		50
2,3,4,6-Tetrachlorophenol	94		89			5		50
Pyridine	42		52		10-93	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG656599-2 WG656599-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		79		25-120
Phenol-d6	73		77		10-120
Nitrobenzene-d5	70		74		23-120
2-Fluorobiphenyl	78		84		30-120
2,4,6-Tribromophenol	90		95		0-136
4-Terphenyl-d14	87		90		18-120

PCBS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-01	Date Collected:	12/03/13 11:40
Client ID:	SB06_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:22
Analytical Date:	12/06/13 22:43	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.79	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.14	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	2.98	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.69	1	A
Aroclor 1262	ND		ug/kg	35.4	1.75	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-02	Date Collected:	12/03/13 11:45
Client ID:	SB06_5-6	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:22
Analytical Date:	12/07/13 22:51	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	12/05/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.33	1	A
Aroclor 1232	ND		ug/kg	36.2	4.24	1	A
Aroclor 1242	ND		ug/kg	36.2	4.42	1	A
Aroclor 1248	12.8	J	ug/kg	36.2	3.05	1	A
Aroclor 1254	9.52	J	ug/kg	36.2	2.97	1	A
Aroclor 1260	ND		ug/kg	36.2	2.76	1	A
Aroclor 1262	ND		ug/kg	36.2	1.79	1	A
Aroclor 1268	ND		ug/kg	36.2	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	**26**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-02	RE	Date Collected:	12/03/13 11:45
Client ID:	SB06_5-6		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	12/08/13 07:56
Analytical Date:	12/08/13 18:51		Cleanup Method1:	EPA 3665A
Analyst:	TQ		Cleanup Date1:	12/08/13
Percent Solids:	88%		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	12/08/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	2.93	1	A
Aroclor 1221	ND		ug/kg	37.1	3.42	1	A
Aroclor 1232	ND		ug/kg	37.1	4.35	1	A
Aroclor 1242	ND		ug/kg	37.1	4.55	1	A
Aroclor 1248	22.9	J	ug/kg	37.1	3.14	1	B
Aroclor 1254	15.2	J	ug/kg	37.1	3.05	1	A
Aroclor 1260	ND		ug/kg	37.1	2.83	1	A
Aroclor 1262	ND		ug/kg	37.1	1.84	1	A
Aroclor 1268	ND		ug/kg	37.1	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	30-150	A
Decachlorobiphenyl	**23**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	30-150	B
Decachlorobiphenyl	**23**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-03	Date Collected:	12/03/13 11:00
Client ID:	SB07_0-1	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:22
Analytical Date:	12/06/13 23:09	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/05/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-05	Date Collected:	12/03/13 09:00
Client ID:	SB08_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/08/13 07:56
Analytical Date:	12/08/13 19:04	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	12/08/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/08/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	2.94	1	A
Aroclor 1221	ND		ug/kg	37.3	3.44	1	A
Aroclor 1232	ND		ug/kg	37.3	4.37	1	A
Aroclor 1242	ND		ug/kg	37.3	4.56	1	A
Aroclor 1248	ND		ug/kg	37.3	3.15	1	A
Aroclor 1254	ND		ug/kg	37.3	3.06	1	A
Aroclor 1260	ND		ug/kg	37.3	2.84	1	A
Aroclor 1262	ND		ug/kg	37.3	1.85	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-06	Date Collected:	12/03/13 09:05
Client ID:	SB08_10-11	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/05/13 08:22
Analytical Date:	12/07/13 23:17	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	12/05/13
Percent Solids:	69%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.2	3.65	1	A
Aroclor 1221	ND		ug/kg	46.2	4.26	1	A
Aroclor 1232	ND		ug/kg	46.2	5.42	1	A
Aroclor 1242	ND		ug/kg	46.2	5.66	1	A
Aroclor 1248	ND		ug/kg	46.2	3.90	1	A
Aroclor 1254	ND		ug/kg	46.2	3.80	1	A
Aroclor 1260	ND		ug/kg	46.2	3.52	1	A
Aroclor 1262	ND		ug/kg	46.2	2.29	1	A
Aroclor 1268	ND		ug/kg	46.2	6.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	30-150	A
Decachlorobiphenyl	**22**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	B
Decachlorobiphenyl	**22**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-06	RE	Date Collected:	12/03/13 09:05
Client ID:	SB08_10-11		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	12/08/13 07:56
Analytical Date:	12/08/13 19:18		Cleanup Method1:	EPA 3665A
Analyst:	TQ		Cleanup Date1:	12/08/13
Percent Solids:	69%		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	12/08/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.2	3.72	1	A
Aroclor 1221	ND		ug/kg	47.2	4.35	1	A
Aroclor 1232	ND		ug/kg	47.2	5.53	1	A
Aroclor 1242	ND		ug/kg	47.2	5.77	1	A
Aroclor 1248	ND		ug/kg	47.2	3.98	1	A
Aroclor 1254	ND		ug/kg	47.2	3.88	1	A
Aroclor 1260	ND		ug/kg	47.2	3.59	1	A
Aroclor 1262	ND		ug/kg	47.2	2.34	1	A
Aroclor 1268	ND		ug/kg	47.2	6.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**15**	Q	30-150	A
Decachlorobiphenyl	**11**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**15**	Q	30-150	B
Decachlorobiphenyl	**11**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-07	Date Collected:	12/03/13 10:30
Client ID:	SB09_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/06/13 05:59
Analytical Date:	12/06/13 20:31	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/06/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.45	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.58	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.85	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-08	Date Collected:	12/03/13 10:35
Client ID:	SB09_5-6	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/06/13 05:59
Analytical Date:	12/06/13 20:44	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/06/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.51	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-10	Date Collected:	12/03/13 11:11
Client ID:	FIELD BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/05/13 19:04
Analytical Date:	12/06/13 17:10	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/06/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/07/13 00:28
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 12/05/13 08:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG656363-1						
Aroclor 1016	ND		ug/kg	31.3	2.47	A
Aroclor 1221	ND		ug/kg	31.3	2.89	A
Aroclor 1232	ND		ug/kg	31.3	3.67	A
Aroclor 1242	ND		ug/kg	31.3	3.83	A
Aroclor 1248	ND		ug/kg	31.3	2.64	A
Aroclor 1254	ND		ug/kg	31.3	2.58	A
Aroclor 1260	ND		ug/kg	31.3	2.39	A
Aroclor 1262	ND		ug/kg	31.3	1.55	A
Aroclor 1268	ND		ug/kg	31.3	4.54	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/06/13 19:37
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 12/05/13 18:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG656598-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/06/13 23:36
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 12/06/13 05:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-08 Batch: WG656688-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/08/13 19:31
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 12/08/13 07:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/08/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/08/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,05-06 Batch: WG657107-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.91	A
Aroclor 1232	ND		ug/kg	31.5	3.69	A
Aroclor 1242	ND		ug/kg	31.5	3.86	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG656363-2 WG656363-3									
Aroclor 1016	54		63		40-140	15		50	A
Aroclor 1260	51		60		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		68		30-150	A
Decachlorobiphenyl	54		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		68		30-150	B
Decachlorobiphenyl	46		52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG656598-2 WG656598-3									
Aroclor 1016	56		71		40-140	24		50	A
Aroclor 1260	54		69		40-140	24		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		59		30-150	A
Decachlorobiphenyl	61		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		60		30-150	B
Decachlorobiphenyl	69		80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG656688-2 WG656688-3									
Aroclor 1016	64		60		40-140	6		50	A
Aroclor 1260	64		59		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		58		30-150	A
Decachlorobiphenyl	67		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		58		30-150	B
Decachlorobiphenyl	73		67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,05-06 Batch: WG657107-2 WG657107-3									
Aroclor 1016	74		71		40-140	4		50	A
Aroclor 1260	70		70		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		74		30-150	A
Decachlorobiphenyl	66		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		77		30-150	B
Decachlorobiphenyl	66		66		30-150	B

PESTICIDES

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-01	Date Collected:	12/03/13 11:40
Client ID:	SB06_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 10:24	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.323	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**186**	Q	30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-02	D	Date Collected:	12/03/13 11:45
Client ID:	SB06_5-6		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	12/04/13 13:44
Analytical Date:	12/09/13 11:49		Cleanup Method1:	EPA 3620B
Analyst:	GP		Cleanup Date1:	12/05/13
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.43	10	A
Lindane	ND		ug/kg	7.30	3.26	10	A
Alpha-BHC	ND		ug/kg	7.30	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.65	10	A
Heptachlor	ND		ug/kg	8.77	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.17	10	A
Heptachlor epoxide	ND		ug/kg	32.9	9.86	10	A
Endrin	ND		ug/kg	7.30	3.00	10	A
Endrin ketone	ND		ug/kg	17.5	4.51	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.05	10	A
4,4'-DDD	ND		ug/kg	17.5	6.25	10	A
4,4'-DDT	ND		ug/kg	32.9	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.30	3.34	10	A
Methoxychlor	ND		ug/kg	32.9	10.2	10	A
Toxaphene	ND		ug/kg	329	92.0	10	A
cis-Chlordane	ND		ug/kg	21.9	6.11	10	A
trans-Chlordane	ND		ug/kg	21.9	5.79	10	A
Chlordane	ND		ug/kg	142	58.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**8060**	Q	30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-03	Date Collected:	12/03/13 11:00
Client ID:	SB07_0-1	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 16:59	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.763	0.341	1	A
Alpha-BHC	ND		ug/kg	0.763	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.916	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.763	0.313	1	A
Endrin ketone	ND		ug/kg	1.83	0.472	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.653	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.763	0.349	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.61	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	14.9	6.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	136		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-05	Date Collected:	12/03/13 09:00
Client ID:	SB08_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 17:24	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.331	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-06	Date Collected:	12/03/13 09:05
Client ID:	SB08_10-11	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 17:37	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.22	0.436	1	A
Lindane	ND		ug/kg	0.927	0.414	1	A
Alpha-BHC	ND		ug/kg	0.927	0.263	1	A
Beta-BHC	ND		ug/kg	2.22	0.844	1	A
Heptachlor	ND		ug/kg	1.11	0.499	1	A
Aldrin	ND		ug/kg	2.22	0.784	1	A
Heptachlor epoxide	ND		ug/kg	4.17	1.25	1	A
Endrin	ND		ug/kg	0.927	0.380	1	A
Endrin ketone	ND		ug/kg	2.22	0.573	1	A
Dieldrin	ND		ug/kg	1.39	0.696	1	A
4,4'-DDE	ND		ug/kg	2.22	0.515	1	A
4,4'-DDD	ND		ug/kg	2.22	0.794	1	A
4,4'-DDT	ND		ug/kg	4.17	1.79	1	A
Endosulfan I	ND		ug/kg	2.22	0.526	1	A
Endosulfan II	ND		ug/kg	2.22	0.744	1	A
Endosulfan sulfate	ND		ug/kg	0.927	0.424	1	A
Methoxychlor	ND		ug/kg	4.17	1.30	1	A
Toxaphene	ND		ug/kg	41.7	11.7	1	A
cis-Chlordane	ND		ug/kg	2.78	0.775	1	A
trans-Chlordane	ND		ug/kg	2.78	0.734	1	A
Chlordane	ND		ug/kg	18.1	7.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**923**	Q	30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-07	Date Collected:	12/03/13 10:30
Client ID:	SB09_1-2	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	12/04/13 13:44
Analytical Date:	12/06/13 17:50	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	12/05/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	ND		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	ND		ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.339	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.34	1	A
cis-Chlordane	ND		ug/kg	2.22	0.620	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-08	D	Date Collected:	12/03/13 10:35
Client ID:	SB09_5-6		Date Received:	12/03/13
Sample Location:	QUEENS, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	12/05/13 21:52
Analytical Date:	12/10/13 09:16		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	12/06/13
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	35.5	6.95	20	A
Lindane	ND		ug/kg	14.8	6.61	20	A
Alpha-BHC	ND		ug/kg	14.8	4.20	20	A
Beta-BHC	ND		ug/kg	35.5	13.5	20	A
Heptachlor	ND		ug/kg	17.7	7.96	20	A
Aldrin	ND		ug/kg	35.5	12.5	20	A
Heptachlor epoxide	ND		ug/kg	66.6	20.0	20	A
Endrin	ND		ug/kg	14.8	6.06	20	A
Endrin ketone	ND		ug/kg	35.5	9.14	20	A
Dieldrin	ND		ug/kg	22.2	11.1	20	A
4,4'-DDE	ND		ug/kg	35.5	8.21	20	A
4,4'-DDD	ND		ug/kg	35.5	12.7	20	A
4,4'-DDT	ND		ug/kg	66.6	28.5	20	A
Endosulfan I	ND		ug/kg	35.5	8.39	20	A
Endosulfan II	ND		ug/kg	35.5	11.9	20	A
Endosulfan sulfate	ND		ug/kg	14.8	6.76	20	A
Methoxychlor	ND		ug/kg	66.6	20.7	20	A
Toxaphene	ND		ug/kg	666	186.	20	A
cis-Chlordane	ND		ug/kg	44.4	12.4	20	A
trans-Chlordane	ND		ug/kg	44.4	11.7	20	A
Chlordane	ND		ug/kg	288	118.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID:	L1324502-10	Date Collected:	12/03/13 11:11
Client ID:	FIELD BLANK	Date Received:	12/03/13
Sample Location:	QUEENS, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/05/13 22:07
Analytical Date:	12/06/13 14:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/06/13 07:13
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 12/04/13 13:43
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05-07 Batch: WG656160-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.971	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.296	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	12.6	5.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/06/13 13:48
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 12/05/13 21:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG656627-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/06/13 16:46
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 12/05/13 22:07
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG656633-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG656160-2 WG656160-3									
Delta-BHC	84		94		30-150	11		30	A
Lindane	69		75		30-150	8		30	A
Alpha-BHC	70		77		30-150	10		30	A
Beta-BHC	80		96		30-150	18		30	A
Heptachlor	81		88		30-150	8		30	A
Aldrin	79		86		30-150	8		30	A
Heptachlor epoxide	82		87		30-150	6		30	A
Endrin	89		95		30-150	7		30	A
Endrin ketone	99		106		30-150	7		30	A
Dieldrin	88		93		30-150	6		30	A
4,4'-DDE	81		88		30-150	8		30	A
4,4'-DDD	84		89		30-150	6		30	A
4,4'-DDT	95		101		30-150	6		30	A
Endosulfan I	90		96		30-150	6		30	A
Endosulfan II	98		104		30-150	6		30	A
Endosulfan sulfate	103		109		30-150	6		30	A
Methoxychlor	80		83		30-150	4		30	A
cis-Chlordane	84		89		30-150	6		30	A
trans-Chlordane	82		88		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG656160-2 WG656160-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	A
Decachlorobiphenyl	98		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	100		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG656627-2 WG656627-3									
Delta-BHC	83		70		30-150	17		30	A
Lindane	91		77		30-150	17		30	A
Alpha-BHC	89		76		30-150	16		30	A
Beta-BHC	90		74		30-150	20		30	A
Heptachlor	95		81		30-150	16		30	A
Aldrin	93		80		30-150	15		30	A
Heptachlor epoxide	91		79		30-150	14		30	A
Endrin	92		83		30-150	10		30	A
Endrin ketone	82		75		30-150	9		30	A
Dieldrin	100		86		30-150	15		30	A
4,4'-DDE	89		80		30-150	11		30	A
4,4'-DDD	92		84		30-150	9		30	A
4,4'-DDT	103		94		30-150	9		30	A
Endosulfan I	92		82		30-150	11		30	A
Endosulfan II	87		77		30-150	12		30	A
Endosulfan sulfate	79		76		30-150	4		30	A
Methoxychlor	119		101		30-150	16		30	A
cis-Chlordane	107		96		30-150	11		30	A
trans-Chlordane	91		81		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG656627-2 WG656627-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		71		30-150	A
Decachlorobiphenyl	111		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		64		30-150	B
Decachlorobiphenyl	101		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG656633-2 WG656633-3									
Delta-BHC	89		82		30-150	9		20	A
Lindane	96		88		30-150	9		20	A
Alpha-BHC	96		88		30-150	9		20	A
Beta-BHC	90		87		30-150	4		20	A
Heptachlor	96		89		30-150	8		20	A
Aldrin	94		87		30-150	8		20	A
Heptachlor epoxide	94		86		30-150	9		20	A
Endrin	99		91		30-150	9		20	A
Endrin ketone	86		77		30-150	11		20	A
Dieldrin	101		93		30-150	9		20	A
4,4'-DDE	95		86		30-150	9		20	A
4,4'-DDD	99		90		30-150	9		20	A
4,4'-DDT	106		97		30-150	9		20	A
Endosulfan I	97		89		30-150	9		20	A
Endosulfan II	90		81		30-150	10		20	A
Endosulfan sulfate	80		72		30-150	11		20	A
Methoxychlor	112		100		30-150	11		20	A
cis-Chlordane	113		100		30-150	12		20	A
trans-Chlordane	95		87		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG656633-2 WG656633-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		78		30-150	A
Decachlorobiphenyl	112		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	B
Decachlorobiphenyl	93		90		30-150	B

METALS

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01
Client ID: SB06_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/03/13 11:40
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	9.4		mg/kg	0.43	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Barium, Total	320		mg/kg	0.43	0.13	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26		mg/kg	0.21	0.04	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Cadmium, Total	1.8		mg/kg	0.43	0.03	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Chromium, Total	940		mg/kg	0.43	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Copper, Total	720		mg/kg	0.43	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Lead, Total	780		mg/kg	2.1	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Manganese, Total	2300		mg/kg	0.43	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Mercury, Total	1.3		mg/kg	0.07	0.02	1	12/10/13 07:58	12/10/13 11:00	EPA 7471B	1,7471B	JH
Nickel, Total	33		mg/kg	1.1	0.17	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Selenium, Total	0.24	J	mg/kg	0.86	0.13	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Silver, Total	2.9		mg/kg	0.43	0.09	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG
Zinc, Total	3200		mg/kg	2.1	0.30	1	12/09/13 08:50	12/09/13 13:11	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02
Client ID: SB06_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 12/03/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	7.0		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.44	0.13	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Beryllium, Total	0.13	J	mg/kg	0.22	0.04	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Cadmium, Total	0.82		mg/kg	0.44	0.03	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Chromium, Total	260		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Copper, Total	260		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	2.2	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Manganese, Total	910		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Mercury, Total	2.4		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:11	EPA 7471B	1,7471B	JH
Nickel, Total	17		mg/kg	1.1	0.18	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Selenium, Total	0.41	J	mg/kg	0.88	0.13	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Silver, Total	1.3		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG
Zinc, Total	1300		mg/kg	2.2	0.31	1	12/09/13 08:50	12/09/13 13:15	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03
Client ID: SB07_0-1
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	11		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Barium, Total	220		mg/kg	0.45	0.14	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Beryllium, Total	0.20	J	mg/kg	0.23	0.05	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Cadmium, Total	1.4		mg/kg	0.45	0.03	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Copper, Total	140		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Lead, Total	1000		mg/kg	2.3	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Mercury, Total	2.4		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:17	EPA 7471B	1,7471B	JH
Nickel, Total	13		mg/kg	1.1	0.18	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Selenium, Total	1.0		mg/kg	0.90	0.14	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Silver, Total	0.37	J	mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG
Zinc, Total	500		mg/kg	2.3	0.32	1	12/09/13 08:50	12/09/13 13:19	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05
Client ID: SB08_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 12/03/13 09:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	9.9		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Barium, Total	250		mg/kg	0.44	0.13	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Beryllium, Total	0.14	J	mg/kg	0.22	0.04	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Cadmium, Total	0.95		mg/kg	0.44	0.03	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Copper, Total	85		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Lead, Total	990		mg/kg	2.2	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Manganese, Total	150		mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Mercury, Total	0.38		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:19	EPA 7471B	1,7471B	JH
Nickel, Total	13		mg/kg	1.1	0.18	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Selenium, Total	0.51	J	mg/kg	0.88	0.13	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Silver, Total	0.11	J	mg/kg	0.44	0.09	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	2.2	0.31	1	12/09/13 08:50	12/09/13 13:41	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06
Client ID: SB08_10-11
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 69%

Date Collected: 12/03/13 09:05
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	6.0		mg/kg	0.55	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Barium, Total	40		mg/kg	0.55	0.17	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Beryllium, Total	0.18	J	mg/kg	0.28	0.06	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Cadmium, Total	0.36	J	mg/kg	0.55	0.04	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.55	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Copper, Total	13		mg/kg	0.55	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Lead, Total	160		mg/kg	2.8	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Manganese, Total	160		mg/kg	0.55	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Mercury, Total	0.20		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:21	EPA 7471B	1,7471B	JH
Nickel, Total	8.3		mg/kg	1.4	0.22	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Selenium, Total	0.27	J	mg/kg	1.1	0.17	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.55	0.11	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG
Zinc, Total	44		mg/kg	2.8	0.39	1	12/09/13 08:50	12/09/13 13:44	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07
Client ID: SB09_1-2
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 12/03/13 10:30
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	9.2		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	0.45	0.13	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Beryllium, Total	0.18	J	mg/kg	0.22	0.05	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74		mg/kg	0.45	0.03	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Copper, Total	79		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	2.2	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Manganese, Total	140		mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Mercury, Total	1.7		mg/kg	0.10	0.02	1	12/10/13 07:58	12/10/13 10:33	EPA 7471B	1,7471B	JH
Nickel, Total	38		mg/kg	1.1	0.18	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Selenium, Total	0.41	J	mg/kg	0.90	0.13	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Silver, Total	0.12	J	mg/kg	0.45	0.09	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG
Zinc, Total	210		mg/kg	2.2	0.31	1	12/09/13 08:50	12/09/13 13:47	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08
Client ID: SB09_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	15		mg/kg	0.48	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Barium, Total	330		mg/kg	0.48	0.14	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Beryllium, Total	0.19	J	mg/kg	0.24	0.05	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Cadmium, Total	2.4		mg/kg	0.48	0.03	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.48	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Copper, Total	59		mg/kg	0.48	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Lead, Total	680		mg/kg	2.4	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Manganese, Total	110		mg/kg	0.48	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Mercury, Total	1.7		mg/kg	0.09	0.02	1	12/10/13 07:58	12/10/13 10:35	EPA 7471B	1,7471B	JH
Nickel, Total	7.6		mg/kg	1.2	0.19	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Selenium, Total	1.3		mg/kg	0.96	0.14	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Silver, Total	0.33	J	mg/kg	0.48	0.10	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG
Zinc, Total	660		mg/kg	2.4	0.33	1	12/09/13 08:50	12/09/13 13:51	EPA 3050B	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Lab Number: L1324502
Project Number: 170281401
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-10
Client ID: FIELD BLANK
Sample Location: QUEENS, NY
Matrix: Water

Date Collected: 12/03/13 11:11
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Chromium, Total	0.00044	J	mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Copper, Total	0.00011	J	mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/10/13 12:00	12/10/13 17:15	EPA 7470A	1,7470A	JH
Nickel, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM
Zinc, Total	0.00292	J	mg/l	0.01000	0.00120	1	12/04/13 08:44	12/04/13 18:15	EPA 3005A	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 10 Batch: WG655999-1										
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Chromium, Total	0.00024	J	mg/l	0.00100	0.00020	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Lead, Total	ND		mg/l	0.00050	0.00020	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 18:09	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Silver, Total	0.00035	J	mg/l	0.00040	0.00010	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	12/04/13 08:44	12/04/13 11:36	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03,05-08 Batch: WG657268-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Lead, Total	0.09	J	mg/kg	2.0	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	12/09/13 08:50	12/09/13 11:32	1,6010C	MG

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG657415-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 10:11	1,7471B	JH

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05-08 Batch: WG657417-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/10/13 07:58	12/10/13 10:07	1,7471B	JH

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 10 Batch: WG657791-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/10/13 12:00	12/10/13 17:07	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 10 Batch: WG655999-2								
Arsenic, Total	101		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	94		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Chromium, Total	90		-		80-120	-		
Copper, Total	94		-		80-120	-		
Lead, Total	91		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	80		-		80-120	-		
Zinc, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG657268-2 SRM Lot Number: 0518-10-02					
Arsenic, Total	94	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Chromium, Total	92	-	80-119	-	
Copper, Total	101	-	83-117	-	
Lead, Total	94	-	80-120	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	97	-	66-134	-	
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG657415-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 02-03,05-08 Batch: WG657417-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 10 Batch: WG657791-2					
Mercury, Total	114	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG655999-4 QC Sample: L1324183-01 Client ID: MS Sample												
Arsenic, Total	0.00054	0.12	0.1261	105		-	-		80-120	-		20
Barium, Total	0.0575	2	2.132	104		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04765	95		-	-		80-120	-		20
Cadmium, Total	0.00005J	0.051	0.05106	100		-	-		80-120	-		20
Chromium, Total	0.0008J	0.2	0.1862	93		-	-		80-120	-		20
Copper, Total	0.0036	0.25	0.2341	92		-	-		80-120	-		20
Lead, Total	0.00088	0.51	0.4613	90		-	-		80-120	-		20
Manganese, Total	0.02026	0.5	0.5070	97		-	-		80-120	-		20
Nickel, Total	0.0019	0.5	0.4658	93		-	-		80-120	-		20
Selenium, Total	0.002J	0.12	0.133	111		-	-		80-120	-		20
Silver, Total	0.0002J	0.05	0.03245	**65**	Q	-	-		80-120	-		20
Zinc, Total	0.0097J	0.5	0.5188	104		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG657268-4 QC Sample: L1324865-01 Client ID: MS Sample										
Arsenic, Total	5.2	10.8	10	**44**	Q	-	-	75-125	-	35
Barium, Total	63.	181	150	**48**	Q	-	-	75-125	-	35
Beryllium, Total	1.5	4.52	3.9	**53**	Q	-	-	75-125	-	35
Cadmium, Total	0.40J	4.62	2.6	**56**	Q	-	-	75-125	-	35
Chromium, Total	13.	18.1	21	**44**	Q	-	-	75-125	-	35
Copper, Total	15.	22.6	27	**53**	Q	-	-	75-125	-	35
Lead, Total	17.	46.2	38	**46**	Q	-	-	75-125	-	35
Manganese, Total	440	45.2	910	**1040**	Q	-	-	75-125	-	35
Nickel, Total	10.	45.2	31	**46**	Q	-	-	75-125	-	35
Selenium, Total	ND	10.8	4.7	**43**	Q	-	-	75-125	-	35
Silver, Total	ND	27.1	13	**48**	Q	-	-	75-125	-	35
Zinc, Total	21.	45.2	41	**44**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG657415-4 QC Sample: L1323690-08 Client ID: MS Sample										
Mercury, Total	0.14J	0.342	0.47	**138**	Q	-	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05-08 QC Batch ID: WG657417-4 QC Sample: L1324502-02 Client ID: SB06_5-6										
Mercury, Total	2.4	0.172	1.4	**0**	Q	-	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG657791-4 QC Sample: L1324502-10 Client ID: FIELD BLANK										
Mercury, Total	ND	0.005	0.00615	123		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG655999-3 QC Sample: L1324183-01 Client ID: DUP Sample						
Cadmium, Total	0.00005J	ND	mg/l	NC		20
Lead, Total	0.00088	0.00091	mg/l	3		20
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG655999-3 QC Sample: L1324183-01 Client ID: DUP Sample						
Manganese, Total	0.02026	0.01893	mg/l	7		20
Total Metals - Westborough Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG657268-3 QC Sample: L1324865-01 Client ID: DUP Sample						
Lead, Total	17.	13	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG657415-3 QC Sample: L1323690-08 Client ID: DUP Sample						
Mercury, Total	0.14J	0.11J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 02-03,05-08 QC Batch ID: WG657417-3 QC Sample: L1324502-02 Client ID: SB06_5-6						
Mercury, Total	2.4	0.94	mg/kg	**87**	Q	35
Total Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG657791-3 QC Sample: L1324502-10 Client ID: FIELD BLANK						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-01
Client ID: SB06_1-2
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 11:40
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	936		mg/kg	0.900	0.900	1	-	12/10/13 13:04	107,-	JO
Solids, Total	88.6		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	12/08/13 18:48	12/09/13 15:09	1,9010C/9012A	JO
Chromium, Hexavalent	3.8		mg/kg	0.90	0.18	1	12/04/13 22:00	12/06/13 05:29	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-02
Client ID: SB06_5-6
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 11:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	260		mg/kg	0.91	0.91	1	-	12/10/13 13:04	107,-	JO
Solids, Total	87.8		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	12/08/13 18:48	12/09/13 15:10	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.91	0.18	1	12/04/13 22:00	12/06/13 05:30	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-03
Client ID: SB07_0-1
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 11:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.94	0.94	1	-	12/10/13 13:04	107,-	JO
Solids, Total	84.6		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	12/08/13 18:48	12/09/13 15:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	12/04/13 22:00	12/06/13 05:31	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-05
Client ID: SB08_1-2
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 09:00
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.92	0.92	1	-	12/10/13 13:04	107,-	JO
Solids, Total	87.3		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	12/08/13 18:48	12/09/13 15:15	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	12/04/13 22:00	12/06/13 05:33	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-06
Client ID: SB08_10-11
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 09:05
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	1.2	1.2	1	-	12/10/13 13:04	107,-	JO
Solids, Total	68.9		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.33	1	12/08/13 18:48	12/09/13 15:16	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	1.2	0.23	1	12/04/13 22:00	12/06/13 05:34	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-07
Client ID: SB09_1-2
Sample Location: QUEENS, NY
Matrix: Soil

Date Collected: 12/03/13 10:30
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	20		mg/kg	0.92	0.92	1	-	12/10/13 13:04	107,-	JO
Solids, Total	86.5		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	12/08/13 18:48	12/09/13 15:17	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	12/04/13 22:00	12/06/13 05:34	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

SAMPLE RESULTS

Lab ID: L1324502-08
Client ID: SB09_5-6
Sample Location: QUEENS, NY
Matrix: Soil
Date Collected: 12/03/13 10:35
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.97	0.97	1	-	12/10/13 13:04	107,-	JO
Solids, Total	82.8		%	0.100	NA	1	-	12/05/13 21:54	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	12/08/13 18:48	12/09/13 15:44	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.97	0.19	1	12/04/13 22:00	12/06/13 05:35	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1324502
Report Date: 12/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657187-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	12/08/13 18:48	12/09/13 15:06	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG657188-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	12/08/13 18:48	12/09/13 15:30	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-03,05-08 Batch: WG657220-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	12/04/13 22:00	12/06/13 05:14	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1324502

Report Date: 12/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657187-4 WG657187-5								
Cyanide, Total	104		100		80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG657188-4 WG657188-5								
Cyanide, Total	88		87		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG657220-2								
Chromium, Hexavalent	102		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG657187-3 WG657187-2 QC Sample: L1324502-02 Client ID: SB06_5-6												
Cyanide, Total	ND	11	12	110		10	93		65-135	18		35
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG657188-3 WG657188-2 QC Sample: L1324502-08 Client ID: SB09_5-6												
Cyanide, Total	ND	12	11	92		11	96		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG657220-5 QC Sample: L1324502-07 Client ID: SB09_1-2												
Chromium, Hexavalent	ND	1490	1300	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG656628-1 QC Sample: L1324415-01 Client ID: DUP Sample						
Solids, Total	85.0	86.9	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG657220-4 QC Sample: L1324502-07 Client ID: SB09_1-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/04/2013 01:30

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324502-01A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-01B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-01C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-01D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-01E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-01X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-01Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-01Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-02A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-02B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-02C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-02D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-02E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-02X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-02Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-02Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324502-03A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-03B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-03C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-03D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-03E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-03X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-03Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-03Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-04A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	HOLD()
L1324502-04B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	HOLD()
L1324502-04C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	HOLD()
L1324502-04D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	HOLD()
L1324502-04E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	HOLD()
L1324502-04X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	HOLD(0)
L1324502-04Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	HOLD(0)
L1324502-04Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	HOLD(0)
L1324502-05A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-05B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-05C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-05D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-05E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-05X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-05Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-05Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-06A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-06B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324502-06C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-06D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-06E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-06X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-06Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-06Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-07A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-07B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-07C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-07D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-07E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-07X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-07Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-07Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-08A	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-08B	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-08C	5 gram Encore Sampler	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1324502-08D	Plastic 2oz unpreserved for TS	B	N/A	4.1	Y	Absent	TS(7)
L1324502-08E	Amber 500ml unpreserved	B	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1324502-08X	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-08Y	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1324502
Report Date: 12/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324502-08Z	Vial Water preserved split	B	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1324502-09A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1324502-09B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1324502-10A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1324502-10B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1324502-10C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1324502-10D	Plastic 500ml HNO3 preserved	A	<2	4.5	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1324502-10E	Amber 500ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8081(7)
L1324502-10F	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1324502-10G	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1324502-10H	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1324502-10I	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324502
Project Number:	170281401	**Report Date:**	12/11/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324502
Project Number:	170281401	**Report Date:**	12/11/13

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1324502
Project Number:	170281401	**Report Date:**	12/11/13

REFERENCES

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

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

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

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

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

Last revised November 12, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

□ □□□□

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

4. Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. Iodomethane (methyl iodide), Methyl methacrylate. Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **33** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **9** Total Petroleum Hydrocarbons, Oil & Grease. **9** in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF

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

Date Rec'd in Lab: 12/3/13

ALPHA Job #: L1324502

Client Information

Client: Langan
Address: 360 W 31st St 8th Flr
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170281.501
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/10/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☒ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	Part 375

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: Pt+375 VOCs; Pt+375 SVOCs; Pt+375 Metals; 1,4-D; 8260(10 tent. ID); TOTAL # BOTTLES

SAMPLE HANDLING

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	TOTAL # BOTTLES
24502-01	SB06_1-2	12/3/13	1140	S	JPD		5
-02	SB06_5-6		1145	S	JPD		5
-03	SB07_0-1		1100	S	JPD		5
-04	SB07_5-6		1105	S	JPD		5
-05	SB08_1-2		0900	S	JPD		5
-06	SB08_10-11		0905	S	JPD		5
-07	SB09_1-2		1030	S	JPD		5
-08	SB09_5-6		1035	S	JPD		5
-09	TRIP BLANK		1212	DW	KS		2
-10	FIELD BLANK		1111	DW	JPD		10

Container Type	E	A	A	A	A
Preservative	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/13 1400		12/3/13 1400
	12/3/13 1605		12-3-13 1700
	12/3/13 23:59		12/3/13 23:59

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

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

CHAIN OF CUSTODY

PAGE 1 OF _____

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan

Address: 360 W 31st St 8th Floor
New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2721 44th Drive

Project Location: Queens, NY

Project #: 170251001

Project Manager: J. Good

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☑ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: Part 375

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: P.1 375 VOCs; P.1 375 SVOCs; P.1 375 Metals; PCBs; Pesticides

SAMPLE HANDLING

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	TOTAL # BOTTLES
	SB06_1-2	12/3/13	1140	S	JID		5
	SB06_5-6		1145	S	JID		5
	SB07_0-1		1140	S	JID		5
	SB07_5-6		1105	S	JID	HOLD JFG	5
	SB08_1-2		0900	S	JID		5
	SB08_10-11		0905	S	JID		5
	SB09_1-2		1030	S	JID		5
	SB09_5-6		1035	S	JID		5
	TRIP BLANK		1212	DW	KS		2
	FIELD BLANK		1111	DW	JID		10

Container Type	P	A	A	A	A
Preservative	1	1	A	M	A

Relinquished By:	Date/Time	Received By:	Date/Time
John Mizgo	12/3/13 1400		12/3/13 1400

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

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

ANALYTICAL REPORT

Lab Number:	L1325079
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	12/13/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325079-01	MW06_20131210	QUEENS, NY	12/10/13 09:50
L1325079-02	DUP02	QUEENS, NY	12/10/13 11:11
L1325079-03	MW07_20131210	QUEENS, NY	12/10/13 11:55
L1325079-04	TRIP BLANK	QUEENS, NY	12/10/13 00:00
L1325079-05	MW01_20131210	QUEENS, NY	12/10/13 12:35
L1325079-06	MW03_20131210	QUEENS, NY	12/10/13 13:45
L1325079-07	MW02_20131210	QUEENS, NY	12/10/13 14:00

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079
Project Number: 170281401 **Report Date:** 12/13/13

Case Narrative (continued)

Report Submission

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

Sample Receipt

The samples were field filtered for Dissolved Metals.

Total Metals

The WG658044-4 MS recoveries for calcium (210%), iron (230%), and sodium (168%), performed on L1325079-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG658044-4 MS recovery, performed on L1325079-01, is above the acceptance criteria for manganese (137%). A post digestion spike was performed with an acceptable recovery of 121%.

The WG658044-3 Laboratory Duplicate RPD, performed on L1325079-01, is above the acceptance criteria for chromium (25%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Dissolved Metals

The WG658080-4 MS recovery for iron (30%), performed on L1325079-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 12/13/13

ORGANICS

VOLATILES

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-01	Date Collected:	12/10/13 09:50
Client ID:	MW06_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/12/13 14:56		
Analyst:	PD		

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-01 Date Collected: 12/10/13 09:50

Client ID: MW06_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	4.6		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	12		ug/l	2.5	0.70	1
sec-Butylbenzene	13		ug/l	2.5	0.70	1
tert-Butylbenzene	1.6	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	19		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	30		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	9.4		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-01 Date Collected: 12/10/13 09:50

Client ID: MW06_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	34		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02
Client ID: DUP02
Sample Location: QUEENS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/12/13 15:38
Analyst: PD

Date Collected: 12/10/13 11:11
Date Received: 12/10/13
Field Prep: See Narrative

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02 Date Collected: 12/10/13 11:11

Client ID: DUP02 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	4.6		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.3		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	12		ug/l	2.5	0.70	1
sec-Butylbenzene	13		ug/l	2.5	0.70	1
tert-Butylbenzene	1.7	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	20		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	31		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	16		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	9.4		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02 Date Collected: 12/10/13 11:11

Client ID: DUP02 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	32		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-03	Date Collected:	12/10/13 11:55
Client ID:	MW07_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/12/13 16:05		
Analyst:	PD		

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-03 Date Collected: 12/10/13 11:55

Client ID: MW07_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-03 Date Collected: 12/10/13 11:55

Client ID: MW07_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	97		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-04
Client ID: TRIP BLANK
Sample Location: QUEENS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/12/13 14:28
Analyst: PD

Date Collected: 12/10/13 00:00
Date Received: 12/10/13
Field Prep: Not Specified

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-04 Date Collected: 12/10/13 00:00

Client ID: TRIP BLANK Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-04 Date Collected: 12/10/13 00:00

Client ID: TRIP BLANK Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-05	D	Date Collected:	12/10/13 12:35
Client ID:	MW01_20131210		Date Received:	12/10/13
Sample Location:	QUEENS, NY		Field Prep:	See Narrative
Matrix:	Water			
Analytical Method:	1,8260C			
Analytical Date:	12/12/13 16:32			
Analyst:	PD			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	45	J	ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.3	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	1500		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	51	J	ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
1,1-Dichloropropene	ND		ug/l	62	18.	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	3.6	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	200		ug/l	25	8.2	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	3.5	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	440		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-05 D Date Collected: 12/10/13 12:35

Client ID: MW01_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	1200		ug/l	62	18.	25
Dibromomethane	ND		ug/l	120	25.	25
1,2,3-Trichloropropane	ND		ug/l	62	18.	25
Acrylonitrile	ND		ug/l	120	38.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	25.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	25.	25
Vinyl acetate	ND		ug/l	120	25.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
2,2-Dichloropropane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,3-Dichloropropane	ND		ug/l	62	18.	25
1,1,1,2-Tetrachloroethane	ND		ug/l	62	18.	25
Bromobenzene	ND		ug/l	62	18.	25
n-Butylbenzene	ND		ug/l	62	18.	25
sec-Butylbenzene	ND		ug/l	62	18.	25
tert-Butylbenzene	ND		ug/l	62	18.	25
o-Chlorotoluene	ND		ug/l	62	18.	25
p-Chlorotoluene	ND		ug/l	62	18.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Hexachlorobutadiene	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
p-Isopropyltoluene	ND		ug/l	62	18.	25
Naphthalene	ND		ug/l	62	18.	25
n-Propylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
1,3,5-Trimethylbenzene	ND		ug/l	62	18.	25
1,2,4-Trimethylbenzene	ND		ug/l	62	18.	25
1,4-Dioxane	ND		ug/l	6200	1000	25
1,4-Diethylbenzene	ND		ug/l	50	18.	25
4-Ethyltoluene	ND		ug/l	50	18.	25

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-05 D Date Collected: 12/10/13 12:35

Client ID: MW01_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	50	16.	25
Ethyl ether	ND		ug/l	62	18.	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	18.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	93		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-06	Date Collected:	12/10/13 13:45
Client ID:	MW03_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/12/13 17:27		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.5		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-06 Date Collected: 12/10/13 13:45

Client ID: MW03_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.70	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-06 Date Collected: 12/10/13 13:45

Client ID: MW03_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-07	D	Date Collected:	12/10/13 14:00
Client ID:	MW02_20131210		Date Received:	12/10/13
Sample Location:	QUEENS, NY		Field Prep:	See Narrative
Matrix:	Water			
Analytical Method:	1,8260C			
Analytical Date:	12/12/13 17:00			
Analyst:	PD			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	630		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	18	J	ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	3.3	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	59		ug/l	5.0	1.7	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-07 D Date Collected: 12/10/13 14:00

Client ID: MW02_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	26		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	10.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	10.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10
1,4-Diethylbenzene	ND		ug/l	20	7.0	10
4-Ethyltoluene	ND		ug/l	20	7.0	10

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-07 D Date Collected: 12/10/13 14:00

Client ID: MW02_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/13 11:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG658553-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/13 11:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG658553-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	4.6	J	ug/l	10	1.2
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/13 11:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG658553-3					
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.24
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	220	J	ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/13 11:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG658553-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG658553-1 WG658553-2								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	102		102		70-130	0		20
Chloroform	104		102		70-130	2		20
2-Chloroethylvinyl ether	**39**	Q	**39**	Q	70-130	0		20
Carbon tetrachloride	106		106		63-132	0		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	91		91		63-130	0		20
1,1,2-Trichloroethane	92		91		70-130	1		20
Tetrachloroethene	102		104		70-130	2		20
Chlorobenzene	100		101		75-130	1		20
Trichlorofluoromethane	118		117		62-150	1		20
1,2-Dichloroethane	94		93		70-130	1		20
1,1,1-Trichloroethane	107		106		67-130	1		20
Bromodichloromethane	96		96		67-130	0		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
1,1-Dichloropropene	103		101		70-130	2		20
Bromoform	82		79		54-136	4		20
1,1,2,2-Tetrachloroethane	84		81		67-130	4		20
Benzene	99		99		70-130	0		20
Toluene	106		106		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG658553-1 WG658553-2								
Ethylbenzene	107		107		70-130	0		20
Chloromethane	96		101		64-130	5		20
Bromomethane	86		87		39-139	1		20
Vinyl chloride	99		100		55-140	1		20
Chloroethane	106		109		55-138	3		20
1,1-Dichloroethene	103		102		61-145	1		20
trans-1,2-Dichloroethene	98		99		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	96		97		70-130	1		20
1,3-Dichlorobenzene	101		101		70-130	0		20
1,4-Dichlorobenzene	100		101		70-130	1		20
Methyl tert butyl ether	81		81		63-130	0		20
p/m-Xylene	108		109		70-130	1		20
o-Xylene	105		106		70-130	1		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Dibromomethane	85		84		70-130	1		20
1,2,3-Trichloropropane	91		90		64-130	1		20
Acrylonitrile	75		75		70-130	0		20
Isopropyl Ether	93		94		70-130	1		20
tert-Butyl Alcohol	83		82		70-130	1		20
Styrene	108		108		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG658553-1 WG658553-2								
Dichlorodifluoromethane	102		101		36-147	1		20
Acetone	82		75		58-148	9		20
Carbon disulfide	94		94		51-130	0		20
2-Butanone	74		70		63-138	6		20
Vinyl acetate	80		80		70-130	0		20
4-Methyl-2-pentanone	66		67		59-130	2		20
2-Hexanone	71		70		57-130	1		20
Bromochloromethane	89		90		70-130	1		20
2,2-Dichloropropane	103		102		63-133	1		20
1,2-Dibromoethane	85		86		70-130	1		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	114		115		53-136	1		20
sec-Butylbenzene	110		109		70-130	1		20
tert-Butylbenzene	104		104		70-130	0		20
o-Chlorotoluene	109		107		70-130	2		20
p-Chlorotoluene	107		105		70-130	2		20
1,2-Dibromo-3-chloropropane	101		103		41-144	2		20
Hexachlorobutadiene	103		106		63-130	3		20
Isopropylbenzene	102		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG658553-1 WG658553-2								
p-Isopropyltoluene	107		107		70-130	0		20
Naphthalene	75		77		70-130	3		20
n-Propylbenzene	106		104		69-130	2		20
1,2,3-Trichlorobenzene	84		87		70-130	4		20
1,2,4-Trichlorobenzene	92		95		70-130	3		20
1,3,5-Trimethylbenzene	110		109		64-130	1		20
1,2,4-Trimethylbenzene	107		107		70-130	0		20
Methyl Acetate	76		75		70-130	1		20
Ethyl Acetate	76		77		70-130	1		20
Cyclohexane	97		99		70-130	2		20
Ethyl-Tert-Butyl-Ether	85		86		70-130	1		20
Tertiary-Amyl Methyl Ether	80		80		66-130	0		20
1,4-Dioxane	88		89		56-162	1		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		105		70-130	1		20
1,4-Diethylbenzene	108		108		70-130	0		20
4-Ethyltoluene	106		105		70-130	1		20
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		20
Ethyl ether	92		91		59-134	1		20
trans-1,4-Dichloro-2-butene	**62**	Q	**60**	Q	70-130	3		20
Iodomethane	75		77		70-130	3		20
Methyl cyclohexane	99		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG658553-1 WG658553-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		97		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-01	Date Collected:	12/10/13 09:50
Client ID:	MW06_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 21:36		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	3.8		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-01 Date Collected: 12/10/13 09:50

Client ID: MW06_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	84		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-01	Date Collected:	12/10/13 09:50
Client ID:	MW06_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 19:50		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	2.9		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.17	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.30		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	4.5		ug/l	0.20	0.06	1
Phenanthrene	5.3		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.14	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.12	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	107		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-02	Date Collected:	12/10/13 11:11
Client ID:	DUP02	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 22:01		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	3.3		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02 Date Collected: 12/10/13 11:11

Client ID: DUP02 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	75		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-02	Date Collected:	12/10/13 11:11
Client ID:	DUP02	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 20:14		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	2.6		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.15	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.28		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	4.2		ug/l	0.20	0.06	1
Phenanthrene	4.7		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.12	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.12	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	95		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-03	Date Collected:	12/10/13 11:55
Client ID:	MW07_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 22:27		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-03 Date Collected: 12/10/13 11:55

Client ID: MW07_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	80		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-03	Date Collected:	12/10/13 11:55
Client ID:	MW07_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 20:38		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.15	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.07	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.08	J	ug/l	0.20	0.06	1
Phenanthrene	0.16	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.06	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	90		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-05	Date Collected:	12/10/13 12:35
Client ID:	MW01_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 22:52		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	3.0	J	ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	5.6		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	6.0		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	2.2		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-05 Date Collected: 12/10/13 12:35

Client ID: MW01_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	80		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-05	Date Collected:	12/10/13 12:35
Client ID:	MW01_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 21:03		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	106		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-06	Date Collected:	12/10/13 13:45
Client ID:	MW03_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 23:18		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-06 Date Collected: 12/10/13 13:45

Client ID: MW03_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	83		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-06	Date Collected:	12/10/13 13:45
Client ID:	MW03_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 17:17		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	93		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-07	Date Collected:	12/10/13 14:00
Client ID:	MW02_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 23:44		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-07 Date Collected: 12/10/13 14:00

Client ID: MW02_20131210 Date Received: 12/10/13

Sample Location: QUEENS, NY Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	91		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-07	Date Collected:	12/10/13 14:00
Client ID:	MW02_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	12/11/13 01:45
Analytical Date:	12/11/13 17:47		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	95		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/11/13 18:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657931-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/11/13 18:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657931-1					
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	83		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/11/13 18:36
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657932-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/11/13 18:36
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657932-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	102		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657931-2 WG657931-3								
1,2,4-Trichlorobenzene	75		75		39-98	0		30
Bis(2-chloroethyl)ether	78		67		40-140	15		30
1,2-Dichlorobenzene	68		64		40-140	6		30
1,3-Dichlorobenzene	66		61		40-140	8		30
1,4-Dichlorobenzene	67		61		36-97	9		30
3,3'-Dichlorobenzidine	69		72		40-140	4		30
2,4-Dinitrotoluene	**101**	Q	**102**	Q	24-96	1		30
2,6-Dinitrotoluene	102		102		40-140	0		30
4-Chlorophenyl phenyl ether	100		99		40-140	1		30
4-Bromophenyl phenyl ether	103		105		40-140	2		30
Bis(2-chloroisopropyl)ether	73		52		40-140	**34**	Q	30
Bis(2-chloroethoxy)methane	90		69		40-140	26		30
Hexachlorocyclopentadiene	55		79		40-140	**36**	Q	30
Isophorone	92		72		40-140	24		30
Nitrobenzene	86		81		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	100		99		40-140	1		30
n-Nitrosodi-n-propylamine	90		68		29-132	28		30
Bis(2-Ethylhexyl)phthalate	114		103		40-140	10		30
Butyl benzyl phthalate	106		107		40-140	1		30
Di-n-butylphthalate	106		101		40-140	5		30
Di-n-octylphthalate	117		113		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657931-2 WG657931-3								
Diethyl phthalate	104		100		40-140	4		30
Dimethyl phthalate	102		98		40-140	4		30
Biphenyl	88		79			11		30
4-Chloroaniline	73		46		40-140	**45**	Q	30
2-Nitroaniline	107		99		52-143	8		30
3-Nitroaniline	58		49		25-145	17		30
4-Nitroaniline	94		87		51-143	8		30
Dibenzofuran	95		93		40-140	2		30
1,2,4,5-Tetrachlorobenzene	87		80		2-134	8		30
Acetophenone	93		76		39-129	20		30
2,4,6-Trichlorophenol	92		106		30-130	14		30
P-Chloro-M-Cresol	92		90		23-97	2		30
2-Chlorophenol	72		68		27-123	6		30
2,4-Dichlorophenol	90		94		30-130	4		30
2,4-Dimethylphenol	88		80		30-130	10		30
2-Nitrophenol	88		79		30-130	11		30
4-Nitrophenol	35		46		10-80	27		30
2,4-Dinitrophenol	50		83		20-130	**50**	Q	30
4,6-Dinitro-o-cresol	79		110		20-164	**33**	Q	30
Phenol	26		24		12-110	8		30
2-Methylphenol	60		54		30-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657931-2 WG657931-3								
3-Methylphenol/4-Methylphenol	54		49		30-130	10		30
2,4,5-Trichlorophenol	98		110		30-130	12		30
Benzoic Acid	0		26			NC		30
Benzyl Alcohol	62		61			2		30
Carbazole	97		96		55-144	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		39		21-120
Phenol-d6	24		23		10-120
Nitrobenzene-d5	90		72		23-120
2-Fluorobiphenyl	94		96		15-120
2,4,6-Tribromophenol	97		108		10-120
4-Terphenyl-d14	93		106		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657932-2 WG657932-3								
Acenaphthene	78		82		37-111	5		40
2-Chloronaphthalene	76		80		40-140	5		40
Fluoranthene	92		97		40-140	5		40
Hexachlorobutadiene	72		76		40-140	5		40
Naphthalene	74		79		40-140	7		40
Benzo(a)anthracene	83		90		40-140	8		40
Benzo(a)pyrene	75		84		40-140	11		40
Benzo(b)fluoranthene	75		91		40-140	19		40
Benzo(k)fluoranthene	83		85		40-140	2		40
Chrysene	80		87		40-140	8		40
Acenaphthylene	82		86		40-140	5		40
Anthracene	82		87		40-140	6		40
Benzo(ghi)perylene	76		86		40-140	12		40
Fluorene	82		85		40-140	4		40
Phenanthrene	86		90		40-140	5		40
Dibenzo(a,h)anthracene	82		92		40-140	11		40
Indeno(1,2,3-cd)Pyrene	81		92		40-140	13		40
Pyrene	90		95		26-127	5		40
2-Methylnaphthalene	76		81		40-140	6		40
Pentachlorophenol	81		86		9-103	6		40
Hexachlorobenzene	90		94		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657932-2 WG657932-3								
Hexachloroethane	54		57		40-140	5		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	34		38		21-120
Phenol-d6	23		26		10-120
Nitrobenzene-d5	71		76		23-120
2-Fluorobiphenyl	84		87		15-120
2,4,6-Tribromophenol	99		107		10-120
4-Terphenyl-d14	108		117		41-149

PCBS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-01	Date Collected:	12/10/13 09:50
Client ID:	MW06_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 18:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-02	Date Collected:	12/10/13 11:11
Client ID:	DUP02	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 18:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-03	Date Collected:	12/10/13 11:55
Client ID:	MW07_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 18:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-05	Date Collected:	12/10/13 12:35
Client ID:	MW01_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 19:09	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-06	Date Collected:	12/10/13 13:45
Client ID:	MW03_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 19:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-07	Date Collected:	12/10/13 14:00
Client ID:	MW02_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	12/11/13 01:44
Analytical Date:	12/11/13 19:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	12/11/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	143		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/11/13 19:49
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:44
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657930-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	**166**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657930-2 WG657930-3									
Aroclor 1016	73		77		40-140	6		50	A
Aroclor 1260	82		85		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		96		30-150	A
Decachlorobiphenyl	120		127		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		85		30-150	B
Decachlorobiphenyl	123		**171**	Q	30-150	B

PESTICIDES

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-01	Date Collected:	12/10/13 09:50
Client ID:	MW06_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 16:41	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	0.030		ug/l	0.020	0.004	1	B
Alpha-BHC	0.041	P	ug/l	0.020	0.004	1	B
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	0.026	PI	ug/l	0.020	0.003	1	B
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-02	Date Collected:	12/10/13 11:11
Client ID:	DUP02	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 16:53	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	0.011	JPI	ug/l	0.020	0.004	1	B
Alpha-BHC	0.030		ug/l	0.020	0.004	1	B
Beta-BHC	0.015	JPI	ug/l	0.020	0.006	1	B
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-03	Date Collected:	12/10/13 11:55
Client ID:	MW07_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 17:06	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-05	Date Collected:	12/10/13 12:35
Client ID:	MW01_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 17:19	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-06	Date Collected:	12/10/13 13:45
Client ID:	MW03_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 17:31	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID:	L1325079-07	Date Collected:	12/10/13 14:00
Client ID:	MW02_20131210	Date Received:	12/10/13
Sample Location:	QUEENS, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	12/11/13 01:42
Analytical Date:	12/12/13 17:44	Cleanup Method1:	EPA 3620B
Analyst:	JC	Cleanup Date1:	12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/12/13 17:57
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 12/11/13 01:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05-07 Batch: WG657929-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657929-2 WG657929-3									
Delta-BHC	75		80		30-150	6		20	A
Lindane	81		85		30-150	5		20	A
Alpha-BHC	77		81		30-150	5		20	A
Beta-BHC	79		83		30-150	5		20	A
Heptachlor	76		82		30-150	8		20	A
Aldrin	71		75		30-150	6		20	A
Heptachlor epoxide	79		83		30-150	5		20	A
Endrin	86		88		30-150	2		20	A
Endrin ketone	74		76		30-150	3		20	A
Dieldrin	87		87		30-150	0		20	A
4,4'-DDE	80		81		30-150	0		20	A
4,4'-DDD	85		86		30-150	1		20	A
4,4'-DDT	93		96		30-150	4		20	A
Endosulfan I	83		84		30-150	0		20	A
Endosulfan II	77		76		30-150	1		20	A
Endosulfan sulfate	72		71		30-150	1		20	A
Methoxychlor	102		99		30-150	3		20	A
cis-Chlordane	94		93		30-150	1		20	A
trans-Chlordane	80		79		30-150	1		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG657929-2 WG657929-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		65		30-150	A
Decachlorobiphenyl	78		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		55		30-150	B
Decachlorobiphenyl	61		59		30-150	B

METALS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-01
Client ID: MW06_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 09:50
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0908		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Antimony, Total	0.00123		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00844		mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Barium, Total	0.06079		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Calcium, Total	111.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 02:32	EPA 3005A	1,6020A	BM
Chromium, Total	0.00155		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00050		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00056	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Iron, Total	19.1		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Lead, Total	0.00159		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Magnesium, Total	8.06		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Manganese, Total	1.222		mg/l	0.02000	0.00200	20	12/11/13 10:52	12/12/13 02:32	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:40	EPA 7470A	1,7470A	JH
Nickel, Total	0.00143		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Potassium, Total	14.2		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Selenium, Total	0.00293	J	mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Sodium, Total	75.1		mg/l	2.00	0.300	20	12/11/13 10:52	12/12/13 02:32	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00132	J	mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Zinc, Total	0.01012		mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 14:55	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0304		mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Antimony, Dissolved	0.00143		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Arsenic, Dissolved	0.00891		mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Barium, Dissolved	0.06099		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-01
Client ID: MW06_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 09:50
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	119.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 01:17	NA	1,6020A	BM
Chromium, Dissolved	0.00422		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Cobalt, Dissolved	0.00045	J	mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Copper, Dissolved	0.00041	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Iron, Dissolved	18.6		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Lead, Dissolved	0.00024	J	mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Magnesium, Dissolved	8.20		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Manganese, Dissolved	1.274		mg/l	0.02000	0.00200	20	12/11/13 12:28	12/12/13 01:17	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:51	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00153		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Potassium, Dissolved	14.6		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Selenium, Dissolved	0.00383	J	mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Sodium, Dissolved	83.6		mg/l	2.00	0.300	20	12/11/13 12:28	12/12/13 01:17	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Vanadium, Dissolved	0.00180	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM
Zinc, Dissolved	0.00830	J	mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:11	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02
Client ID: DUP02
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 11:11
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0933		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Antimony, Total	0.00118		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00869		mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Barium, Total	0.06106		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Calcium, Total	126.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 03:22	EPA 3005A	1,6020A	BM
Chromium, Total	0.00119		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00050		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Copper, Total	0.00069	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Iron, Total	19.4		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Lead, Total	0.00138		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Magnesium, Total	8.12		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Manganese, Total	1.353		mg/l	0.02000	0.00200	20	12/11/13 10:52	12/12/13 03:22	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:41	EPA 7470A	1,7470A	JH
Nickel, Total	0.00141		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Potassium, Total	14.4		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Selenium, Total	0.00259	J	mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Sodium, Total	81.8		mg/l	2.00	0.300	20	12/11/13 10:52	12/12/13 03:22	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00118	J	mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Zinc, Total	0.00936	J	mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 15:28	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0298		mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Antimony, Dissolved	0.00139		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Arsenic, Dissolved	0.00886		mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Barium, Dissolved	0.05980		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-02
Client ID: DUP02
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 11:11
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	120.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 02:01	NA	1,6020A	BM
Chromium, Dissolved	0.00530		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Cobalt, Dissolved	0.00047	J	mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Copper, Dissolved	0.00050	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Iron, Dissolved	18.8		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Lead, Dissolved	0.00024	J	mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Magnesium, Dissolved	8.10		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Manganese, Dissolved	1.264		mg/l	0.02000	0.00200	20	12/11/13 12:28	12/12/13 02:01	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:53	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00158		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Potassium, Dissolved	14.6		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Selenium, Dissolved	0.00335	J	mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Sodium, Dissolved	82.0		mg/l	2.00	0.300	20	12/11/13 12:28	12/12/13 02:01	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Vanadium, Dissolved	0.00210	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM
Zinc, Dissolved	0.00833	J	mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:24	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-03
Client ID: MW07_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 11:55
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0295		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Antimony, Total	0.00043	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00258		mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Barium, Total	0.09134		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Calcium, Total	117.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 03:29	EPA 3005A	1,6020A	BM
Chromium, Total	0.00127		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00074		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Copper, Total	0.00056	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Iron, Total	24.2		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Lead, Total	0.00517		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Magnesium, Total	7.64		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Manganese, Total	1.920		mg/l	0.02000	0.00200	20	12/11/13 10:52	12/12/13 03:29	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:43	EPA 7470A	1,7470A	JH
Nickel, Total	0.00108		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Potassium, Total	12.0		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Selenium, Total	0.00065	J	mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Sodium, Total	33.1		mg/l	2.00	0.300	20	12/11/13 10:52	12/12/13 03:29	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00080	J	mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Zinc, Total	0.01855		mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 15:34	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00332	J	mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Antimony, Dissolved	0.00041	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Arsenic, Dissolved	0.00251		mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Barium, Dissolved	0.08788		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-03
Client ID: MW07_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 11:55
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	118.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 02:07	NA	1,6020A	BM
Chromium, Dissolved	0.00517		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Cobalt, Dissolved	0.00070		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Copper, Dissolved	0.00036	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Iron, Dissolved	23.6		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Magnesium, Dissolved	7.54		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Manganese, Dissolved	1.977		mg/l	0.02000	0.00200	20	12/11/13 12:28	12/12/13 02:07	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:59	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00097		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Potassium, Dissolved	11.7		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Selenium, Dissolved	0.00077	J	mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Sodium, Dissolved	34.1		mg/l	2.00	0.300	20	12/11/13 12:28	12/12/13 02:07	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Vanadium, Dissolved	0.00167	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM
Zinc, Dissolved	0.01330		mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:30	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-05
Client ID: MW01_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 12:35
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0409		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Antimony, Total	0.00024	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00072		mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Barium, Total	0.08043		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00014	J	mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Calcium, Total	121.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 03:35	EPA 3005A	1,6020A	BM
Chromium, Total	0.00080	J	mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00228		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Copper, Total	0.00154		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Iron, Total	0.439		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Lead, Total	0.00035	J	mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Magnesium, Total	9.93		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Manganese, Total	2.626		mg/l	0.02000	0.00200	20	12/11/13 10:52	12/12/13 03:35	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:45	EPA 7470A	1,7470A	JH
Nickel, Total	0.00315		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Potassium, Total	11.0		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Selenium, Total	0.00076	J	mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Sodium, Total	120.		mg/l	2.00	0.300	20	12/11/13 10:52	12/12/13 03:35	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00117	J	mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Zinc, Total	0.00715	J	mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 15:40	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00216	J	mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Antimony, Dissolved	0.00027	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Arsenic, Dissolved	0.00070		mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Barium, Dissolved	0.08167		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Cadmium, Dissolved	0.00015	J	mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-05
Client ID: MW01_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 12:35
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	120.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 02:13	NA	1,6020A	BM
Chromium, Dissolved	0.00308		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Cobalt, Dissolved	0.00233		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Copper, Dissolved	0.00128		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Iron, Dissolved	0.358		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Magnesium, Dissolved	10.2		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Manganese, Dissolved	2.626		mg/l	0.02000	0.00200	20	12/11/13 12:28	12/12/13 02:13	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 17:00	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00323		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Potassium, Dissolved	11.2		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Selenium, Dissolved	0.00073	J	mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Sodium, Dissolved	122.		mg/l	2.00	0.300	20	12/11/13 12:28	12/12/13 02:13	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Vanadium, Dissolved	0.00174	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM
Zinc, Dissolved	0.00637	J	mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:36	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-06
Client ID: MW03_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 13:45
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0116		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Antimony, Total	0.00026	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00034	J	mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Barium, Total	0.08058		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Calcium, Total	162.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 03:41	EPA 3005A	1,6020A	BM
Chromium, Total	0.05555		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00051		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Copper, Total	0.00182		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Iron, Total	0.482		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Magnesium, Total	14.1		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Manganese, Total	0.08564		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:47	EPA 7470A	1,7470A	JH
Nickel, Total	0.00226		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Potassium, Total	15.3		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Selenium, Total	0.00991		mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Sodium, Total	32.4		mg/l	0.100	0.0150	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Zinc, Total	0.00620	J	mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 15:47	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Antimony, Dissolved	0.00029	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Arsenic, Dissolved	0.00027	J	mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Barium, Dissolved	0.07707		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-06
Client ID: MW03_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 13:45
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	159.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 02:20	NA	1,6020A	BM
Chromium, Dissolved	0.05917		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Cobalt, Dissolved	0.00051		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Copper, Dissolved	0.00186		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Iron, Dissolved	0.433		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Magnesium, Dissolved	14.0		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Manganese, Dissolved	0.08348		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 17:02	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00225		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Potassium, Dissolved	14.7		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Selenium, Dissolved	0.0112		mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Sodium, Dissolved	31.7		mg/l	0.100	0.0150	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Vanadium, Dissolved	0.00036	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM
Zinc, Dissolved	0.00382	J	mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:42	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-07
Client ID: MW02_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 14:00
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0234		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Antimony, Total	0.00026	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00044	J	mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Barium, Total	0.1106		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00011	J	mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Calcium, Total	239.		mg/l	2.00	0.640	20	12/11/13 10:52	12/12/13 04:06	EPA 3005A	1,6020A	BM
Chromium, Total	0.00358		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00080		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00196		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Iron, Total	0.692		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Magnesium, Total	15.7		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Manganese, Total	0.4140		mg/l	0.02000	0.00200	20	12/11/13 10:52	12/12/13 04:06	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 16:49	EPA 7470A	1,7470A	JH
Nickel, Total	0.00277		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Potassium, Total	11.7		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Selenium, Total	0.00288	J	mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Sodium, Total	27.4		mg/l	0.100	0.0150	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00090	J	mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Zinc, Total	0.00883	J	mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 15:55	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00799	J	mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Antimony, Dissolved	0.00027	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Arsenic, Dissolved	0.00042	J	mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Barium, Dissolved	0.1092		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Cadmium, Dissolved	0.00009	J	mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1325079
Project Number: 170281401
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325079-07
Client ID: MW02_20131210
Sample Location: QUEENS, NY
Matrix: Water
Date Collected: 12/10/13 14:00
Date Received: 12/10/13
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	232.		mg/l	2.00	0.640	20	12/11/13 12:28	12/12/13 02:26	NA	1,6020A	BM
Chromium, Dissolved	0.00673		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Cobalt, Dissolved	0.00081		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Copper, Dissolved	0.00188		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Iron, Dissolved	0.660		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Magnesium, Dissolved	15.8		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Manganese, Dissolved	0.4214		mg/l	0.02000	0.00200	20	12/11/13 12:28	12/12/13 02:26	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 17:04	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00264		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Potassium, Dissolved	11.4		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Selenium, Dissolved	0.00331	J	mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Sodium, Dissolved	27.5		mg/l	0.100	0.0150	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Vanadium, Dissolved	0.00158	J	mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM
Zinc, Dissolved	0.00639	J	mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 14:48	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03,05-07 Batch: WG658044-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Arsenic, Total	0.00025	J	mg/l	0.00050	0.00020	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Chromium, Total	0.00036	J	mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Copper, Total	0.00011	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Manganese, Total	0.00099	J	mg/l	0.00100	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Nickel, Total	0.00011	J	mg/l	0.00050	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Sodium, Total	ND		mg/l	0.100	0.0150	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	12/11/13 10:52	12/12/13 02:51	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03,05-07 Batch: WG658080-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Antimony, Dissolved	ND		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Arsenic, Dissolved	0.00020	J	mg/l	0.00050	0.00020	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325079

Project Number: 170281401 **Report Date:** 12/13/13

Method Blank Analysis
Batch Quality Control

Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Chromium, Dissolved	0.00043	J	mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Manganese, Dissolved	0.00047	J	mg/l	0.00100	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Sodium, Dissolved	ND		mg/l	0.100	0.0150	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	12/11/13 12:28	12/12/13 01:05	1,6020A	BM

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03,05-07 Batch: WG658316-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 12:59	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03,05-07 Batch: WG658318-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/12/13 08:03	12/12/13 13:12	1,7470A	JH

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325079
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658044-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	90		-		80-120	-		
Arsenic, Total	99		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	91		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	96		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	92		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658044-2					
Zinc, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658080-2					
Aluminum, Dissolved	108	-	80-120	-	
Antimony, Dissolved	91	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Barium, Dissolved	99	-	80-120	-	
Beryllium, Dissolved	94	-	80-120	-	
Cadmium, Dissolved	99	-	80-120	-	
Calcium, Dissolved	104	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Magnesium, Dissolved	110	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	101	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	110	-	80-120	-	
Thallium, Dissolved	97	-	80-120	-	
Vanadium, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325079

Report Date: 12/13/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658080-2					
Zinc, Dissolved	102	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658316-2					
Mercury, Total	97	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG658318-2					
Mercury, Dissolved	99	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658044-4 QC Sample: L1325079-01 Client ID: MW06_20131210												
Aluminum, Total	0.0964J	2	2.24	112		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.5026	100		-	-		80-120	-		20
Arsenic, Total	0.00860J	0.12	0.1361	113		-	-		80-120	-		20
Barium, Total	0.05696	2	2.086	101		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04570	91		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05174	101		-	-		80-120	-		20
Calcium, Total	111.	10	132	**210**	Q	-	-		80-120	-		20
Chromium, Total	ND	0.2	0.2046	102		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5260	105		-	-		80-120	-		20
Copper, Total	0.00275J	0.25	0.2560	102		-	-		80-120	-		20
Iron, Total	17.6	1	19.9	**230**	Q	-	-		80-120	-		20
Lead, Total	ND	0.51	0.5328	104		-	-		80-120	-		20
Magnesium, Total	8.17	10	19.2	110		-	-		80-120	-		20
Manganese, Total	1.222	0.5	1.908	**137**	Q	-	-		80-120	-		20
Nickel, Total	ND	0.5	0.5078	102		-	-		80-120	-		20
Potassium, Total	14.2	10	25.6	114		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04780	96		-	-		80-120	-		20
Sodium, Total	75.1	10	91.9	**168**	Q	-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1166	97		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.5026	100		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658044-4 QC Sample: L1325079-01 Client ID: MW06_20131210									
Zinc, Total	ND	0.5	0.5232	105	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658080-4 QC Sample: L1325079-01 Client ID: MW06_20131210										
Aluminum, Dissolved	ND	2	2.13	106		-	-	80-120	-	20
Antimony, Dissolved	0.00825J	0.5	0.4902	98		-	-	80-120	-	20
Arsenic, Dissolved	0.00986J	0.12	0.1343	112		-	-	80-120	-	20
Barium, Dissolved	0.06030	2	2.010	97		-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.04688	94		-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.05014	98		-	-	80-120	-	20
Calcium, Dissolved	119.	10	127	80		-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.2000	100		-	-	80-120	-	20
Cobalt, Dissolved	ND	0.5	0.5058	101		-	-	80-120	-	20
Copper, Dissolved	ND	0.25	0.2484	99		-	-	80-120	-	20
Iron, Dissolved	17.7	1	18.0	**30**	Q	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5186	102		-	-	80-120	-	20
Magnesium, Dissolved	8.56	10	18.6	100		-	-	80-120	-	20
Manganese, Dissolved	1.274	0.5	1.800	105		-	-	80-120	-	20
Nickel, Dissolved	0.00218J	0.5	0.4916	98		-	-	80-120	-	20
Potassium, Dissolved	15.2	10	24.8	96		-	-	80-120	-	20
Selenium, Dissolved	0.00811J	0.12	0.129	108		-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.04734	95		-	-	80-120	-	20
Sodium, Dissolved	83.6	10	92.3	87		-	-	80-120	-	20
Thallium, Dissolved	ND	0.12	0.1130	94		-	-	80-120	-	20
Vanadium, Dissolved	ND	0.5	0.4900	98		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658080-4 QC Sample: L1325079-01 Client ID: MW06_20131210									
Zinc, Dissolved	ND	0.5	0.5092	102	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658316-4 QC Sample: L1325195-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00577	115	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658318-4 QC Sample: L1325195-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00566	113	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658044-3 QC Sample: L1325079-01 Client ID: MW06_20131210						
Calcium, Total	111.	114	mg/l	3		20
Manganese, Total	1.222	1.235	mg/l	1		20
Sodium, Total	75.1	76.6	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658044-3 QC Sample: L1325079-01 Client ID: MW06_20131210						
Aluminum, Total	0.0908	0.0930	mg/l	2		20
Antimony, Total	0.00123	0.00115	mg/l	7		20
Arsenic, Total	0.00844	0.00821	mg/l	3		20
Barium, Total	0.06079	0.05846	mg/l	4		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00155	0.00121	mg/l	**25**	Q	20
Cobalt, Total	0.00050	0.00047J	mg/l	NC		20
Copper, Total	0.00056J	0.00058J	mg/l	NC		20
Iron, Total	19.1	18.2	mg/l	5		20
Lead, Total	0.00159	0.00155	mg/l	3		20
Magnesium, Total	8.06	7.63	mg/l	5		20
Nickel, Total	0.00143	0.00139	mg/l	3		20
Potassium, Total	14.2	13.5	mg/l	5		20
Selenium, Total	0.00293J	0.00262J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.00132J	0.00118J	mg/l	NC		20
Zinc, Total	0.01012	0.00767J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658080-3 QC Sample: L1325079-01 Client ID: MW06_20131210					
Calcium, Dissolved	119.	121	mg/l	2	20
Manganese, Dissolved	1.274	1.291	mg/l	1	20
Sodium, Dissolved	83.6	84.3	mg/l	1	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658080-3 QC Sample: L1325079-01 Client ID: MW06_20131210					
Aluminum, Dissolved	0.0304	0.0301	mg/l	1	20
Antimony, Dissolved	0.00143	0.00134	mg/l	6	20
Arsenic, Dissolved	0.00891	0.00894	mg/l	0	20
Barium, Dissolved	0.06099	0.05843	mg/l	4	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00422	0.00394	mg/l	7	20
Cobalt, Dissolved	0.00045J	0.00043J	mg/l	NC	20
Copper, Dissolved	0.00041J	0.00033J	mg/l	NC	20
Iron, Dissolved	18.6	18.0	mg/l	3	20
Lead, Dissolved	0.00024J	0.00022J	mg/l	NC	20
Magnesium, Dissolved	8.20	7.91	mg/l	4	20
Nickel, Dissolved	0.00153	0.00141	mg/l	8	20
Potassium, Dissolved	14.6	14.0	mg/l	4	20
Selenium, Dissolved	0.00383J	0.00377J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00180J	0.00174J	mg/l	NC	20
Zinc, Dissolved	0.00830J	0.00578J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658316-3 QC Sample: L1325195-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG658318-3 QC Sample: L1325195-01 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Cooler	Custody Seal
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325079-01A	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-01B	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-01C	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-01D	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-01E	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-01F	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-01G	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-01H	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8081(7)
L1325079-01I	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8081(7)
L1325079-01J	Plastic 500ml HNO3 preserved	D	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325079-01K	Plastic 500ml HNO3 preserved	D	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1325079-02A	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-02B	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-02C	Vial HCl preserved	D	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1325079-02D	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-02E	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-02F	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-02G	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-02H	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8081(7)
L1325079-02I	Amber 1000ml unpreserved	D	7	2.2	Y	Absent	NYTCL-8081(7)
L1325079-02J	Plastic 500ml HNO3 preserved	D	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1325079-02K	Plastic 500ml HNO3 preserved	D	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1325079-03A	Vial HCl preserved	C	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1325079-03B	Vial HCl preserved	C	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1325079-03C	Vial HCl preserved	C	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325079-03D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-03E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-03F	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-03G	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-03H	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8081(7)
L1325079-03I	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8081(7)
L1325079-03J	Plastic 500ml HNO3 preserved	C	<2	3.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1325079-03K	Plastic 500ml HNO3 preserved	C	<2	3.3	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1325079-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1325079-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1325079-05A	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-05B	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-05C	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-05D	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-05E	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-05F	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-05G	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-05H	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8081(7)
L1325079-05I	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325079-05J	Plastic 500ml HNO3 preserved	B	<2	3.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1325079-05K	Plastic 500ml HNO3 preserved	B	<2	3.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1325079-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1325079-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1325079-06C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1325079-06D	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-06E	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-06F	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-06G	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-06H	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8081(7)
L1325079-06I	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8081(7)
L1325079-06J	Plastic 500ml HNO3 preserved	A	<2	3.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325079
Report Date: 12/13/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325079-06K	Plastic 500ml HNO3 preserved	A	<2	3.4	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1325079-07A	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-07B	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-07C	Vial HCl preserved	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1325079-07D	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-07E	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1325079-07F	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-07G	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1325079-07H	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8081(7)
L1325079-07I	Amber 1000ml unpreserved	B	7	3.8	Y	Absent	NYTCL-8081(7)
L1325079-07J	Plastic 500ml HNO3 preserved	B	<2	3.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1325079-07K	Plastic 500ml HNO3 preserved	B	<2	3.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1325079
Project Number:	170281401	**Report Date:**	12/13/13

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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

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

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

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1325079
Project Number:	170281401	**Report Date:**	12/13/13

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1325079
Project Number:	170281401	**Report Date:**	12/13/13

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Last revised December 11, 2013

Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
4-Chloroaniline, 4-Methylphenol.
Soil: Total Phosphorus, TKN, NO2, NO3.
Total Petroleum Hydrocarbons, Oil & Grease.

Biphenyl.
Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Drinking Water
Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; Ba,Be,Ca,Cd,Cr,Cu,Na; Mercury;
Nitrate-N, Fluoride, Sulfate; Nitrate-N, Nitrite-N; Nitrate-N, Nitrite-N;
Perchlorate.

Non-Potable Water
Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
Ammonia-N, Ammonia-N,
Nitrate-N
Volatile Halocarbons & Aromatics,
Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
SVOC (Acid/Base/Neutral Extractables), PCB-Oil.

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

CHAIN OF CUSTODY

PAGE 1 OF ____

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

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325079

Client Information

Client: Langan
Address: 360 W 31st St 8th flr
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170281401
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: ~~12/13/13~~ 12/13/13 Time: 17:00

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC
Criteria: Part 375

Other Project Specific Requirements/Comments/Detection Limits:
also email pdiggs@langan.com

SAMPLE HANDLING
Filtration Metals
☒ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	8155 Metals	Total Metals	PCBs	Pesticides	Sample Specific Comments	TOTAL # BOTTLES
25079-01	MW06_20131210	12/10/13	0950	GW	JPD	3	2	1	1	2	2		11
02	DUP02	12/10/13	1111	GW	JPD	3	2	1	1	2	2		11
03	MW07_20131210	12/10/13	1155	GW	JPD	3	2	1	1	2	2		11
04	TRIPBLANK	12/10/13	1212	DW	JPD	2							2
05	MW01_20131210	12/10/13	1235	GW	AM	3	2	1	1	2	2		
06	MW03_20131210	12/10/13	1345	GW	JM	3	2	1	1	2	2		11
07	MW02_20131210	12/10/13	1400	GW	AM	3	2	1	1	2	2		11

Container Type	V	A	P	P	A	A							
Preservative	B	A	C	C	A	A							

Relinquished By:	Date/Time	Received By:	Date/Time
	12/10/13 1430		12-10-13 1430
Tom Toher	12-10-13 1857	Tom Toher	12-10-13 1857
	12-10-13 2300		12/10/13 2300

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

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

ANALYTICAL REPORT

Lab Number:	L1325098
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	12/13/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325098-01	SV01_20131210	QUEENS, NY	12/10/13 10:53
L1325098-02	SV02_20131210	QUEENS, NY	12/10/13 11:40
L1325098-03	SV03_20131210	QUEENS, NY	12/10/13 12:10
L1325098-04	SV04_20131210	QUEENS, NY	12/10/13 12:15
L1325098-05	AMBIENT	QUEENS, NY	12/10/13 13:50

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325098
Project Number: 170281401 **Report Date:** 12/13/13

Case Narrative (continued)

Volatile Organics in Air
Canisters were released from the laboratory on December 9, 2013. The canister certification results are provided as an addendum.

The sample designated SV03_20131210 (L1325098-03) had a RPD for the pre- and post-flow controller calibration check (30% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 37 mL/minute; the final flow rate was 50 mL/minute. The final pressure recorded by the laboratory of the associated canister was -3.1 inches of mercury.

The sample designated SV04_20131210 (L1325098-04) had a RPD for the pre- and post-flow controller calibration check (28% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 40 mL/minute; the final flow rate was 53 mL/minute. The final pressure recorded by the laboratory of the associated canister was +0.5 inches of mercury.

The flow controller ID number and the canister ID number for the sample designated AMBIENT (L1325098-05) are transposed on the chain of custody form.

L1325098-01 and WG658196-5 Duplicate results for Isopropyl Alcohol, Tetrahydrofuran and 4-Methyl-2-pentanone should be considered estimated due to co-elution with a non-target peaks.

L1325098-02 results for 4-Methyl-2-pentanone should be considered estimated due to co-elution with a non-target peak.
L1325098-02 The presence of Isopropyl Alcohol could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

L1325098-03 results for Isopropyl Alcohol should be considered estimated due to co-elution with a non-target peak.

Project Name: 27-21 44TH DRIVE **Lab Number:** L1325098
Project Number: 170281401 **Report Date:** 12/13/13

Case Narrative (continued)

The WG658196-3 LCS recoveries for Vinyl acetate (239%) and 1,2,4-Trichlorobenzene (134%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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

Authorized Signature: Kathleen O'Brien

Title: Technical Director/Representative Date: 12/13/13

AIR

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-01
Client ID: SV01_20131210
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/13 20:17
Analyst: RY

Date Collected: 12/10/13 10:53
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.332	0.200	--	1.64	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	57.2	2.50	--	108	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	104	1.00	--	247	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	1.16	0.500	--	2.85	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	6.05	1.00	--	21.0	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.670	0.200	--	2.09	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.646	0.200	--	2.33	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	14.1	0.200	--	41.6	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-01
Client ID: SV01_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 10:53
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.84	0.200	--	8.99	0.977	--		1
Tetrahydrofuran	1.32	0.200	--	3.89	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.73	0.200	--	6.10	0.705	--		1
1,1,1-Trichloroethane	0.782	0.200	--	4.27	1.09	--		1
Benzene	1.36	0.200	--	4.34	0.639	--		1
Carbon tetrachloride	0.249	0.200	--	1.57	1.26	--		1
Cyclohexane	1.51	0.200	--	5.20	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.06	0.200	--	11.1	1.07	--		1
2,2,4-Trimethylpentane	2.14	0.200	--	10.0	0.934	--		1
Heptane	2.23	0.200	--	9.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.281	0.200	--	1.15	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.27	0.200	--	27.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.378	0.200	--	2.56	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.13	0.200	--	4.91	0.869	--		1
p/m-Xylene	3.73	0.400	--	16.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-01
Client ID: SV01_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 10:53
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.24	0.200	--	5.39	0.869	--		1
4-Ethyltoluene	0.257	0.200	--	1.26	0.983	--		1
1,3,5-Trimethylbenzene	0.269	0.200	--	1.32	0.983	--		1
1,2,4-Trimethylbenzene	0.711	0.200	--	3.50	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	73		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	87		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-02
Client ID: SV02_20131210
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/13 21:21
Analyst: RY

Date Collected: 12/10/13 11:40
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	4.83	0.500	--	8.31	0.861	--		1
Dichlorodifluoromethane	0.320	0.200	--	1.58	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.583	0.200	--	1.29	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.3	2.50	--	23.2	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.4	1.00	--	27.1	2.38	--		1
Trichlorofluoromethane	0.287	0.200	--	1.61	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.04	1.00	--	3.61	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.88	0.200	--	8.97	0.623	--		1
Freon-113	0.589	0.200	--	4.51	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.376	0.200	--	1.36	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	3.68	0.200	--	10.9	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-02
Client ID: SV02_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 11:40
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.545	0.200	--	2.66	0.977	--		1
Tetrahydrofuran	0.410	0.200	--	1.21	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.53	0.200	--	5.39	0.705	--		1
1,1,1-Trichloroethane	0.578	0.200	--	3.15	1.09	--		1
Benzene	2.25	0.200	--	7.19	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.17	0.200	--	4.03	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.79	0.200	--	8.36	0.934	--		1
Heptane	1.88	0.200	--	7.70	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.224	0.200	--	0.918	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.89	0.200	--	22.2	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.397	0.200	--	2.69	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.901	0.200	--	3.91	0.869	--		1
p/m-Xylene	2.87	0.400	--	12.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-02
Client ID: SV02_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 11:40
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.04	0.200	--	4.52	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.456	0.200	--	2.24	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	73		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	87		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-03
Client ID: SV03_20131210
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/13 21:52
Analyst: RY

Date Collected: 12/10/13 12:10
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.324	0.200	--	1.60	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	42.7	2.50	--	80.5	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	30.2	1.00	--	71.7	2.38	--		1
Trichlorofluoromethane	0.282	0.200	--	1.58	1.12	--		1
Isopropanol	1.02	0.500	--	2.51	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	4.85	1.00	--	16.8	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.270	0.200	--	0.841	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	28.3	0.200	--	83.5	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-03
Client ID: SV03_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 12:10
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.855	0.200	--	4.18	0.977	--		1
Tetrahydrofuran	1.38	0.200	--	4.07	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.433	0.200	--	1.53	0.705	--		1
1,1,1-Trichloroethane	1.38	0.200	--	7.53	1.09	--		1
Benzene	0.807	0.200	--	2.58	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.432	0.200	--	1.49	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.670	0.200	--	3.13	0.934	--		1
Heptane	0.657	0.200	--	2.69	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.507	0.200	--	2.08	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.94	0.200	--	18.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.46	0.200	--	16.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.785	0.200	--	3.41	0.869	--		1
p/m-Xylene	3.01	0.400	--	13.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-03
Client ID: SV03_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 12:10
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.08	0.200	--	4.69	0.869	--		1
4-Ethyltoluene	0.350	0.200	--	1.72	0.983	--		1
1,3,5-Trimethylbenzene	0.338	0.200	--	1.66	0.983	--		1
1,2,4-Trimethylbenzene	0.858	0.200	--	4.22	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	72		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	89		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-04
Client ID: SV04_20131210
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/13 22:24
Analyst: RY

Date Collected: 12/10/13 12:15
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	0.549	0.500	--	0.945	0.861	--		1
Dichlorodifluoromethane	0.306	0.200	--	1.51	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	92.0	2.50	--	173	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	120	1.00	--	285	2.38	--		1
Trichlorofluoromethane	0.300	0.200	--	1.69	1.12	--		1
Isopropanol	2.40	0.500	--	5.90	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	9.54	1.00	--	33.1	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.23	0.200	--	6.94	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.298	0.200	--	1.07	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	45.0	0.200	--	133	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-04
Client ID: SV04_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 12:15
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.687	0.200	--	3.35	0.977	--		1
Tetrahydrofuran	1.33	0.200	--	3.92	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.72	0.200	--	6.06	0.705	--		1
1,1,1-Trichloroethane	1.37	0.200	--	7.47	1.09	--		1
Benzene	2.38	0.200	--	7.60	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.738	0.200	--	2.54	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.82	0.200	--	15.2	1.07	--		1
2,2,4-Trimethylpentane	1.99	0.200	--	9.29	0.934	--		1
Heptane	1.18	0.200	--	4.84	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.78	0.200	--	25.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.301	0.200	--	2.04	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.947	0.200	--	4.11	0.869	--		1
p/m-Xylene	3.31	0.400	--	14.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-04
Client ID: SV04_20131210
Sample Location: QUEENS, NY
Date Collected: 12/10/13 12:15
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.20	0.200	--	5.21	0.869	--		1
4-Ethyltoluene	0.331	0.200	--	1.63	0.983	--		1
1,3,5-Trimethylbenzene	0.329	0.200	--	1.62	0.983	--		1
1,2,4-Trimethylbenzene	0.686	0.200	--	3.37	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	75		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	87		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-05
Client ID: AMBIENT
Sample Location: QUEENS, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/11/13 17:07
Analyst: RY

Date Collected: 12/10/13 13:50
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	0.735	0.500	--	1.26	0.861	--		1
Dichlorodifluoromethane	0.439	0.200	--	2.17	0.989	--		1
Chloromethane	0.633	0.200	--	1.31	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.57	2.50	--	14.3	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.20	1.00	--	9.98	2.38	--		1
Trichlorofluoromethane	0.327	0.200	--	1.84	1.12	--		1
Isopropanol	1.43	0.500	--	3.52	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.327	0.200	--	0.964	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-05
Client ID: AMBIENT
Sample Location: QUEENS, NY
Date Collected: 12/10/13 13:50
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.369	0.200	--	1.30	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.422	0.200	--	1.35	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.297	0.200	--	1.39	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.61	0.200	--	6.07	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.477	0.200	--	3.23	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.441	0.400	--	1.92	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

SAMPLE RESULTS

Lab ID: L1325098-05
Client ID: AMBIENT
Sample Location: QUEENS, NY
Date Collected: 12/10/13 13:50
Date Received: 12/10/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	69		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	79		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/11/13 15:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG658196-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/11/13 15:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG658196-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1325098
Report Date: 12/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/11/13 15:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG658196-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325098

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG658196-3								
Chlorodifluoromethane	86		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	76		-		70-130	-		
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	102		-		70-130	-		
Methanol	91		-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Butane	101		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethyl Alcohol	90		-		70-130	-		
Dichlorofluoromethane	92		-		70-130	-		
Vinyl bromide	96		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	96		-		70-130	-		
Acetonitrile	94		-		70-130	-		
Trichlorofluoromethane	102		-		70-130	-		
iso-Propyl Alcohol	90		-		70-130	-		
Acrylonitrile	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325098

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG658196-3								
Pentane	84		-		70-130	-		
Ethyl ether	88		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
tert-Butyl Alcohol	84		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	**239**	Q	-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		
Ethyl Acetate	102		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	87		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	92		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325098

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG658196-3								
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,1,1-Trichloroethane	101		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	91		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	91		-		70-130	-		
Methyl methacrylate	84		-		70-130	-		
Heptane	90		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	90		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	109		-		70-130	-		
1,3-Dichloropropane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325098

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG658196-3								
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	115		-		70-130	-		
Butyl Acetate	97		-		70-130	-		
Octane	97		-		70-130	-		
Tetrachloroethene	115		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	112		-		70-130	-		
Ethylbenzene	110		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	112		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	117		-		70-130	-		
1,2,3-Trichloropropane	102		-		70-130	-		
Nonane (C9)	94		-		70-130	-		
Isopropylbenzene	103		-		70-130	-		
Bromobenzene	102		-		70-130	-		
o-Chlorotoluene	101		-		70-130	-		
n-Propylbenzene	103		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1325098

Report Date: 12/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG658196-3								
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
tert-Butylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	117		-		70-130	-		
Decane (C10)	100		-		70-130	-		
Benzyl chloride	95		-		70-130	-		
1,3-Dichlorobenzene	120		-		70-130	-		
1,4-Dichlorobenzene	122		-		70-130	-		
sec-Butylbenzene	104		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
1,2-Dichlorobenzene	119		-		70-130	-		
n-Butylbenzene	105		-		70-130	-		
1,2-Dibromo-3-chloropropane	101		-		70-130	-		
Undecane	106		-		70-130	-		
Dodecane (C12)	119		-		70-130	-		
1,2,4-Trichlorobenzene	**134**	Q	-		70-130	-		
Naphthalene	112		-		70-130	-		
1,2,3-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	124		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG658196-5 QC Sample: L1325098-01 Client ID: SV01_20131210						
Propylene	ND	ND	ppbV	NC		25
Dichlorodifluoromethane	0.332	0.321	ppbV	3		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	57.2	58.8	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	104	106	ppbV	2		25
Trichlorofluoromethane	0.261	0.246	ppbV	6		25
Isopropanol	1.16	1.27	ppbV	9		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	6.05	6.17	ppbV	2		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.670	0.669	ppbV	0		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG658196-5 QC Sample: L1325098-01 Client ID: SV01_20131210					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	0.646	0.686	ppbV	6	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	14.1	14.6	ppbV	3	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	1.84	1.79	ppbV	3	25
Tetrahydrofuran	1.32	1.50	ppbV	13	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	1.73	1.67	ppbV	4	25
1,1,1-Trichloroethane	0.782	0.753	ppbV	4	25
Benzene	1.36	1.36	ppbV	0	25
Carbon tetrachloride	0.249	0.233	ppbV	7	25
Cyclohexane	1.51	1.43	ppbV	5	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	2.06	2.02	ppbV	2	25
2,2,4-Trimethylpentane	2.14	2.05	ppbV	4	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG658196-5 QC Sample: L1325098-01 Client ID: SV01_20131210					
Heptane	2.23	2.18	ppbV	2	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	0.281	0.292	ppbV	4	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	7.27	7.01	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.378	0.322	ppbV	16	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	1.13	1.08	ppbV	5	25
p/m-Xylene	3.73	3.64	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	1.24	1.22	ppbV	2	25
4-Ethyltoluene	0.257	0.251	ppbV	2	25
1,3,5-Trimethylbenzene	0.269	0.265	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG658196-5 QC Sample: L1325098-01 Client ID: SV01_20131210					
1,2,4-Trimethylbenzene	0.711	0.710	ppbV	0	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 27-21 44TH DRIVE

Lab Number: L1325098

Project Number: 170281401

Report Date: 12/13/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1325098-01	SV01_20131210	0337	#90 SV	12/09/13	96579		-	-	-	Pass	33	37	11
L1325098-01	SV01_20131210	1522	6.0L Can	12/09/13	96579	L1324027-02	Pass	-29.6	-3.9	-	-	-	-
L1325098-02	SV02_20131210	0591	#90 AMB	12/09/13	96579		-	-	-	Pass	35	36	3
L1325098-02	SV02_20131210	1811	6.0L Can	12/09/13	96579	L1324655-03	Pass	-29.6	-3.6	-	-	-	-
L1325098-03	SV03_20131210	0167	#90 SV	12/09/13	96579		-	-	-	Pass	37	50	30
L1325098-03	SV03_20131210	760	6.0L Can	12/09/13	96579	L1324387-04	Pass	-29.4	-3.1	-	-	-	-
L1325098-04	SV04_20131210	0318	#90 SV	12/09/13	96579		-	-	-	Pass	40	53	28
L1325098-04	SV04_20131210	1614	6.0L Can	12/09/13	96579	L1324027-02	Pass	-29.6	0.5	-	-	-	-
L1325098-05	AMBIENT	0453	#30 AMB	12/09/13	96579		-	-	-	Pass	36	32	12
L1325098-05	AMBIENT	1875	6.0L Can	12/09/13	96579	L1324655-03	Pass	-29.6	-6.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/13 21:07
Analyst: MB

Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:

Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324027

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02 Date Collected: 11/25/13 10:26

Client ID: CAN 1614 SHELF 48 Date Received: 11/25/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324027

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/13 21:07
Analyst: MB

Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324027
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324027-02
Client ID: CAN 1614 SHELF 48
Sample Location:
Date Collected: 11/25/13 10:26
Date Received: 11/25/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324387
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04
Client ID: CAN 1541 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/03/13 17:03
Analyst: RY

Date Collected: 12/02/13 17:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324387
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04
Client ID: CAN 1541 SHELF 37
Sample Location:
Date Collected: 12/02/13 17:45
Date Received: 12/03/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324387
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04
Client ID: CAN 1541 SHELF 37
Sample Location:
Date Collected: 12/02/13 17:45
Date Received: 12/03/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324387

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04 Date Collected: 12/02/13 17:45

Client ID: CAN 1541 SHELF 37 Date Received: 12/03/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324387

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04 Date Collected: 12/02/13 17:45

Client ID: CAN 1541 SHELF 37 Date Received: 12/03/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324387

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04
Client ID: CAN 1541 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/03/13 17:03
Analyst: RY

Date Collected: 12/02/13 17:45
Date Received: 12/03/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1324387
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04
Client ID: CAN 1541 SHELF 37
Sample Location:

Date Collected: 12/02/13 17:45
Date Received: 12/03/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324387

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324387-04 Date Collected: 12/02/13 17:45

Client ID: CAN 1541 SHELF 37 Date Received: 12/03/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1324655
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03
Client ID: CAN 950 SHELF 46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/05/13 20:23
Analyst: RY

Date Collected: 12/04/13 15:31
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03 Date Collected: 12/04/13 15:31

Client ID: CAN 950 SHELF 46 Date Received: 12/05/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03 Date Collected: 12/04/13 15:31

Client ID: CAN 950 SHELF 46 Date Received: 12/05/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03 Date Collected: 12/04/13 15:31

Client ID: CAN 950 SHELF 46 Date Received: 12/05/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03 Date Collected: 12/04/13 15:31

Client ID: CAN 950 SHELF 46 Date Received: 12/05/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03
Client ID: CAN 950 SHELF 46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/05/13 20:23
Analyst: RY

Date Collected: 12/04/13 15:31
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1324655
Report Date: 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03
Client ID: CAN 950 SHELF 46
Sample Location:

Date Collected: 12/04/13 15:31
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1324655

Project Number: CANISTER QC BAT **Report Date:** 12/13/13

Air Canister Certification Results

Lab ID: L1324655-03 Date Collected: 12/04/13 15:31

Client ID: CAN 950 SHELF 46 Date Received: 12/05/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1325098
Report Date: 12/13/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325098-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1325098-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1325098-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1325098-04A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1325098-05A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1325098
Project Number:	170281401	**Report Date:**	12/13/13

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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

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

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

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1325098
Project Number:	170281401	**Report Date:**	12/13/13

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Last revised December 11, 2013

Soil Volatiles by 8260 Full List

Target Analytes

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

Soil Volatiles by 8260 Full List

8260-Full: Biphenyl.
8260-Full: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Water Volatiles by 8260 Full List with Low Level Naphthalene and 1,4-Dioxane by 8270 SIM

Drinking Water
8260-Full: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **8260-Full:** Ba,Be,Ca,Cd,Cr,Cu,Na; **7470:** Mercury;
300.0: Nitrate-N, Fluoride, Sulfate; **353.2:** Nitrate-N, Nitrite-N; **Hardness:** Nitrate-N, Nitrite-N; **Hardness:** Hardness.
Hardness: Perchlorate.
Hardness: **Hardness** **Hardness** **Hardness**.

Non-Potable Water
8260-Full: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
8260-Full: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
7470: Hardness **Hardness** **Hardness** **Hardness** **Hardness** **Hardness**
Hardness, **300.0:** Ammonia-N, **Hardness**: Ammonia-N, **Hardness**
353.2: Nitrate-N **Hardness** **Hardness** **Hardness** **Hardness** **Hardness** **Hardness**
Hardness **Hardness** **Hardness**.
8260-Full: Volatile Halocarbons & Aromatics,
8270-Full: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
8270-Full: SVOC (Acid/Base/Neutral Extractables), **Hardness**: PCB-Oil.
Hardness: **Hardness** **Hardness**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1325098

Client Information

Client: Langan
Address: 360 W 31st St 8th Fl
New York, NY 10001
Phone: 212-479-5460
Fax: 212-479-5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, NY
Project #: 170281401
Project Manager: J. Good
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 12/13/13 Time: 1700

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)
J Good, P Diggins

Billing Information

☒ Same as Client info | PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDEC	NY Dept AGW	

Other Project Specific Requirements/Comments: email pdiggins@langan.com

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
01	SVOL_20131210	12/10/13	0910	1053	-26.53	-1.89	SV	AM	6L	0337	1522	X	X						
02	SV02_20131210		0944	1140	-29.59	-5.81	SV	AM	6L	1811	0541	X	X						-29.59
03	SV03_20131210		1013	1210	-29.44	-4.87	SV	AM	6L	760	0167	X	X						
04	SV04_20131210		1020	1215	-29.10	-1.58	SV	AM	6L	1644	0318		X						
05	AMBIENT		1155	1350	-29.14	-5.30	AA	AM	6L	0453	1877		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 2

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/10/13 1430	Tom Tobin	12-10-13 1430
Tom Tobin	12-10-13 1857		12-10-13 1857
	12-10-13 23:00		12/10/13 23:00
	12/11/13 04:00	Mansfield Lab	12/11/13 04:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

ANALYTICAL REPORT

Lab Number:	L1404886
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	03/14/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404886-01	EB06_0-2	QUEENS, NEW YORK	03/07/14 14:00
L1404886-02	EB06_5-6.5	QUEENS, NEW YORK	03/07/14 14:10
L1404886-03	EB06_7.5-9	QUEENS, NEW YORK	03/07/14 14:20
L1404886-04	EB05_0-2	QUEENS, NEW YORK	03/07/14 11:50
L1404886-05	EB05_5-6.5	QUEENS, NEW YORK	03/07/14 12:05
L1404886-06	EB05_12-13.5	QUEENS, NEW YORK	03/07/14 12:20
L1404886-07	DUP01_030714	QUEENS, NEW YORK	03/07/14 00:00
L1404886-08	EB01_1-3	QUEENS, NEW YORK	03/07/14 09:20
L1404886-09	EB01_10-12	QUEENS, NEW YORK	03/07/14 09:40
L1404886-10	EB01_15-17	QUEENS, NEW YORK	03/07/14 09:45
L1404886-11	EB02_0.5-2	QUEENS, NEW YORK	03/07/14 13:30
L1404886-12	EB02_8-10	QUEENS, NEW YORK	03/07/14 13:55
L1404886-13	EB02_13-15	QUEENS, NEW YORK	03/07/14 14:35
L1404886-14	EB04_0.5-2	QUEENS, NEW YORK	03/07/14 09:30
L1404886-15	EB04_9-10	QUEENS, NEW YORK	03/07/14 09:50
L1404886-16	EB03_0.5-2	QUEENS, NEW YORK	03/07/14 11:15
L1404886-17	EB03_8-10	QUEENS, NEW YORK	03/07/14 11:50

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886
Project Number: 170281401 **Report Date:** 03/14/14

Case Narrative (continued)

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

Volatile Organics
L1404886-12: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics
The WG674365-3 LCSD recovery, associated with L1404886-15, -16, and -17, is below the acceptance criteria for benzoic acid (6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Pesticides
L1404886-12, -14, -16, and -17 have elevated detection limits due to the dilutions required by the sample matrices.

Metals
L1404886-01 through -17 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG675080-1 Method Blank, associated with L1404886-01 through -17, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.
The WG675080-4 MS recoveries for calcium (141%), iron (0%), and magnesium (59%), performed on L1404886-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG675080-4 MS recovery, performed on L1404886-01, is above the acceptance criteria for copper (136%). A post digestion spike was performed and was within acceptance criteria.

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886
Project Number: 170281401 **Report Date:** 03/14/14

Case Narrative (continued)

The WG675080-3 Laboratory Duplicate RPDs, performed on L1404886-01, are outside the acceptance criteria for copper (38%) and nickel (42%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

Chromium, Hexavalent

The WG674433-5 Insoluble MS recovery (62%), performed on L1404886-15, is below the acceptance criteria. The Insoluble MSD recovery (58%) was also below criteria. This has been attributed to matrix interference. A post spike was performed with an acceptable recovery of 97%.

A Soluble digestion spike was performed with an unacceptable recovery of 16% due to matrix interference.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/14/14

ORGANICS

VOLATILES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01
Client ID: EB06_0-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/14 15:59
Analyst: BN
Percent Solids: 90%

Date Collected: 03/07/14 14:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.6	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.32	1
Chloroform	ND		ug/kg	2.7	0.66	1
Carbon tetrachloride	ND		ug/kg	1.8	0.38	1
1,2-Dichloropropane	ND		ug/kg	6.2	0.41	1
Dibromochloromethane	ND		ug/kg	1.8	0.55	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.54	1
Tetrachloroethene	ND		ug/kg	1.8	0.25	1
Chlorobenzene	ND		ug/kg	1.8	0.62	1
Trichlorofluoromethane	ND		ug/kg	8.9	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.20	1
Bromodichloromethane	ND		ug/kg	1.8	0.41	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.23	1
1,1-Dichloropropene	ND		ug/kg	8.9	0.81	1
Bromoform	ND		ug/kg	7.2	0.74	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.30	1
Benzene	ND		ug/kg	1.8	0.21	1
Toluene	1.4	J	ug/kg	2.7	0.20	1
Ethylbenzene	ND		ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	8.9	1.4	1
Bromomethane	ND		ug/kg	3.6	0.60	1
Vinyl chloride	ND		ug/kg	3.6	0.25	1
Chloroethane	ND		ug/kg	3.6	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.38	1
Trichloroethene	ND		ug/kg	1.8	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	8.9	0.33	1
1,3-Dichlorobenzene	ND		ug/kg	8.9	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	8.9	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01 Date Collected: 03/07/14 14:00

Client ID: EB06_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.6	0.19	1
p/m-Xylene	ND		ug/kg	3.6	0.58	1
o-Xylene	ND		ug/kg	3.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.27	1
Dibromomethane	ND		ug/kg	18	0.29	1
Styrene	ND		ug/kg	3.6	0.55	1
Dichlorodifluoromethane	ND		ug/kg	18	0.39	1
Acetone	6.4	J	ug/kg	18	5.5	1
Carbon disulfide	ND		ug/kg	18	3.6	1
2-Butanone	ND		ug/kg	18	0.64	1
Vinyl acetate	ND		ug/kg	18	0.86	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.40	1
2-Hexanone	ND		ug/kg	18	0.34	1
Bromochloromethane	ND		ug/kg	8.9	0.35	1
2,2-Dichloropropane	ND		ug/kg	8.9	0.40	1
1,2-Dibromoethane	ND		ug/kg	7.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	8.9	0.31	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.57	1
Bromobenzene	ND		ug/kg	8.9	0.37	1
n-Butylbenzene	ND		ug/kg	1.8	0.35	1
sec-Butylbenzene	ND		ug/kg	1.8	0.37	1
tert-Butylbenzene	ND		ug/kg	8.9	1.0	1
o-Chlorotoluene	ND		ug/kg	8.9	0.28	1
p-Chlorotoluene	ND		ug/kg	8.9	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.9	1.4	1
Hexachlorobutadiene	ND		ug/kg	8.9	0.76	1
Isopropylbenzene	ND		ug/kg	1.8	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.34	1
Naphthalene	ND		ug/kg	8.9	1.4	1
Acrylonitrile	ND		ug/kg	18	0.42	1
n-Propylbenzene	ND		ug/kg	1.8	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.9	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.9	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.9	1.0	1
1,4-Dioxane	ND		ug/kg	180	31.	1
1,4-Diethylbenzene	ND		ug/kg	7.2	0.28	1
4-Ethyltoluene	ND		ug/kg	7.2	0.21	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01 Date Collected: 03/07/14 14:00

Client ID: EB06_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.2	0.23	1
Ethyl ether	ND		ug/kg	8.9	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	0.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02
Client ID: EB06_5-6.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/14 16:27
Analyst: BN
Percent Solids: 85%

Date Collected: 03/07/14 14:10
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.45	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02 Date Collected: 03/07/14 14:10

Client ID: EB06_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	6.1	J	ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.75	1
o-Chlorotoluene	ND		ug/kg	6.7	0.21	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.4	0.21	1
4-Ethyltoluene	ND		ug/kg	5.4	0.16	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02 Date Collected: 03/07/14 14:10

Client ID: EB06_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-03	Date Collected:	03/07/14 14:20
Client ID:	EB06_7.5-9	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 16:55		
Analyst:	BN		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.20	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	2.8		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03 Date Collected: 03/07/14 14:20

Client ID: EB06_7.5-9 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	4.4	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.87	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.87	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.18	1
4-Ethyltoluene	ND		ug/kg	4.4	0.13	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03 Date Collected: 03/07/14 14:20

Client ID: EB06_7.5-9 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-04	Date Collected:	03/07/14 11:50
Client ID:	EB05_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 17:23		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.5	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	2.3	J	ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.55	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04 Date Collected: 03/07/14 11:50

Client ID: EB05_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	ND		ug/kg	3.2	0.52	1
o-Xylene	ND		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	34		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	3.9	J	ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.91	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.69	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	8.9		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.1	0.93	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.5	0.26	1
4-Ethyltoluene	ND		ug/kg	6.5	0.19	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04 Date Collected: 03/07/14 11:50

Client ID: EB05_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-05	Date Collected:	03/07/14 12:05
Client ID:	EB05_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 17:04		
Analyst:	MV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05 Date Collected: 03/07/14 12:05

Client ID: EB05_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	ND		ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	1.4		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
1,4-Dioxane	ND		ug/kg	110	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.3	0.17	1
4-Ethyltoluene	ND		ug/kg	4.3	0.12	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05 Date Collected: 03/07/14 12:05

Client ID: EB05_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-06	Date Collected:	03/07/14 12:20
Client ID:	EB05_12-13.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 17:32		
Analyst:	MV		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.28	1
Chloroform	ND		ug/kg	2.4	0.59	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.6	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.49	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.0	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.0	0.73	1
Bromoform	ND		ug/kg	6.4	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.27	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.0	1.2	1
Bromomethane	ND		ug/kg	3.2	0.54	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	8.0	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	8.0	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	8.0	0.39	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06 Date Collected: 03/07/14 12:20

Client ID: EB05_12-13.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	ND		ug/kg	3.2	0.52	1
o-Xylene	ND		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	ND		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.57	1
Vinyl acetate	ND		ug/kg	16	0.77	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.0	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.0	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.4	0.28	1
1,3-Dichloropropane	ND		ug/kg	8.0	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.51	1
Bromobenzene	ND		ug/kg	8.0	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.0	0.90	1
o-Chlorotoluene	ND		ug/kg	8.0	0.26	1
p-Chlorotoluene	ND		ug/kg	8.0	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.0	0.68	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.0	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.0	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.0	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.0	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.0	0.92	1
1,4-Dioxane	ND		ug/kg	160	28.	1
1,4-Diethylbenzene	ND		ug/kg	6.4	0.26	1
4-Ethyltoluene	ND		ug/kg	6.4	0.19	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06 Date Collected: 03/07/14 12:20

Client ID: EB05_12-13.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.4	0.21	1
Ethyl ether	ND		ug/kg	8.0	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.0	0.72	1

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07
Client ID: DUP01_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/14 18:00
Analyst: MV
Percent Solids: 92%

Date Collected: 03/07/14 00:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.60	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.45	1
Vinyl chloride	ND		ug/kg	2.6	0.19	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07 Date Collected: 03/07/14 00:00

Client ID: DUP01_030714 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1
p/m-Xylene	ND		ug/kg	2.6	0.43	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.56	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.76	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.3	0.21	1
4-Ethyltoluene	ND		ug/kg	5.3	0.16	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07 Date Collected: 03/07/14 00:00

Client ID: DUP01_030714 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.59	1

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-08	Date Collected:	03/07/14 09:20
Client ID:	EB01_1-3	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 18:28		
Analyst:	MV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	3.5	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.31	1
Chloroform	ND		ug/kg	2.6	0.65	1
Carbon tetrachloride	ND		ug/kg	1.7	0.37	1
1,2-Dichloropropane	ND		ug/kg	6.1	0.40	1
Dibromochloromethane	ND		ug/kg	1.7	0.54	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.53	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.61	1
Trichlorofluoromethane	ND		ug/kg	8.7	0.21	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.22	1
1,1-Dichloropropene	ND		ug/kg	8.7	0.80	1
Bromoform	ND		ug/kg	7.0	0.72	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.30	1
Benzene	ND		ug/kg	1.7	0.21	1
Toluene	ND		ug/kg	2.6	0.20	1
Ethylbenzene	ND		ug/kg	1.7	0.26	1
Chloromethane	ND		ug/kg	8.7	1.4	1
Bromomethane	ND		ug/kg	3.5	0.59	1
Vinyl chloride	ND		ug/kg	3.5	0.25	1
Chloroethane	ND		ug/kg	3.5	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	1
Trichloroethene	ND		ug/kg	1.7	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	8.7	0.32	1
1,3-Dichlorobenzene	ND		ug/kg	8.7	0.32	1
1,4-Dichlorobenzene	ND		ug/kg	8.7	0.42	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08 Date Collected: 03/07/14 09:20

Client ID: EB01_1-3 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.5	0.18	1
p/m-Xylene	ND		ug/kg	3.5	0.56	1
o-Xylene	ND		ug/kg	3.5	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.26	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.5	0.54	1
Dichlorodifluoromethane	ND		ug/kg	17	0.38	1
Acetone	ND		ug/kg	17	5.4	1
Carbon disulfide	ND		ug/kg	17	3.5	1
2-Butanone	ND		ug/kg	17	0.62	1
Vinyl acetate	ND		ug/kg	17	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.43	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.39	1
2-Hexanone	ND		ug/kg	17	0.33	1
Bromochloromethane	ND		ug/kg	8.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	8.7	0.39	1
1,2-Dibromoethane	ND		ug/kg	7.0	0.31	1
1,3-Dichloropropane	ND		ug/kg	8.7	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.56	1
Bromobenzene	ND		ug/kg	8.7	0.36	1
n-Butylbenzene	ND		ug/kg	1.7	0.34	1
sec-Butylbenzene	ND		ug/kg	1.7	0.36	1
tert-Butylbenzene	ND		ug/kg	8.7	0.98	1
o-Chlorotoluene	ND		ug/kg	8.7	0.28	1
p-Chlorotoluene	ND		ug/kg	8.7	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.7	1.4	1
Hexachlorobutadiene	ND		ug/kg	8.7	0.74	1
Isopropylbenzene	ND		ug/kg	1.7	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.33	1
Naphthalene	ND		ug/kg	8.7	1.3	1
Acrylonitrile	ND		ug/kg	17	0.42	1
n-Propylbenzene	ND		ug/kg	1.7	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.7	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.7	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.7	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.7	1.0	1
1,4-Dioxane	ND		ug/kg	170	30.	1
1,4-Diethylbenzene	ND		ug/kg	7.0	0.28	1
4-Ethyltoluene	ND		ug/kg	7.0	0.20	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08 Date Collected: 03/07/14 09:20

Client ID: EB01_1-3 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.0	0.23	1
Ethyl ether	ND		ug/kg	8.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	0.78	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09
Client ID: EB01_10-12
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/14 18:57
Analyst: MV
Percent Solids: 86%

Date Collected: 03/07/14 09:40
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	24	4.9	1
1,1-Dichloroethane	ND		ug/kg	3.6	0.43	1
Chloroform	ND		ug/kg	3.6	0.90	1
Carbon tetrachloride	ND		ug/kg	2.4	0.51	1
1,2-Dichloropropane	ND		ug/kg	8.5	0.56	1
Dibromochloromethane	ND		ug/kg	2.4	0.75	1
1,1,2-Trichloroethane	ND		ug/kg	3.6	0.74	1
Tetrachloroethene	ND		ug/kg	2.4	0.34	1
Chlorobenzene	ND		ug/kg	2.4	0.84	1
Trichlorofluoromethane	ND		ug/kg	12	0.30	1
1,2-Dichloroethane	ND		ug/kg	2.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	2.4	0.27	1
Bromodichloromethane	ND		ug/kg	2.4	0.56	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	2.4	0.31	1
1,1-Dichloropropene	ND		ug/kg	12	1.1	1
Bromoform	ND		ug/kg	9.7	1.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	0.42	1
Benzene	ND		ug/kg	2.4	0.29	1
Toluene	ND		ug/kg	3.6	0.27	1
Ethylbenzene	ND		ug/kg	2.4	0.36	1
Chloromethane	ND		ug/kg	12	1.9	1
Bromomethane	ND		ug/kg	4.9	0.82	1
Vinyl chloride	ND		ug/kg	4.9	0.34	1
Chloroethane	ND		ug/kg	4.9	0.77	1
1,1-Dichloroethene	ND		ug/kg	2.4	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	3.6	0.51	1
Trichloroethene	ND		ug/kg	2.4	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	12	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	12	0.44	1
1,4-Dichlorobenzene	ND		ug/kg	12	0.59	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09 Date Collected: 03/07/14 09:40

Client ID: EB01_10-12 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.9	0.25	1
p/m-Xylene	ND		ug/kg	4.9	0.78	1
o-Xylene	ND		ug/kg	4.9	0.66	1
cis-1,2-Dichloroethene	ND		ug/kg	2.4	0.36	1
Dibromomethane	ND		ug/kg	24	0.40	1
Styrene	ND		ug/kg	4.9	0.75	1
Dichlorodifluoromethane	ND		ug/kg	24	0.53	1
Acetone	ND		ug/kg	24	7.6	1
Carbon disulfide	ND		ug/kg	24	4.9	1
2-Butanone	ND		ug/kg	24	0.86	1
Vinyl acetate	ND		ug/kg	24	1.2	1
4-Methyl-2-pentanone	ND		ug/kg	24	0.59	1
1,2,3-Trichloropropane	ND		ug/kg	24	0.55	1
2-Hexanone	ND		ug/kg	24	0.46	1
Bromochloromethane	ND		ug/kg	12	0.48	1
2,2-Dichloropropane	ND		ug/kg	12	0.55	1
1,2-Dibromoethane	ND		ug/kg	9.7	0.43	1
1,3-Dichloropropane	ND		ug/kg	12	0.42	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.4	0.77	1
Bromobenzene	ND		ug/kg	12	0.51	1
n-Butylbenzene	ND		ug/kg	2.4	0.48	1
sec-Butylbenzene	ND		ug/kg	2.4	0.50	1
tert-Butylbenzene	ND		ug/kg	12	1.4	1
o-Chlorotoluene	ND		ug/kg	12	0.39	1
p-Chlorotoluene	ND		ug/kg	12	0.37	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	1.9	1
Hexachlorobutadiene	ND		ug/kg	12	1.0	1
Isopropylbenzene	ND		ug/kg	2.4	0.41	1
p-Isopropyltoluene	ND		ug/kg	2.4	0.46	1
Naphthalene	ND		ug/kg	12	1.9	1
Acrylonitrile	ND		ug/kg	24	0.58	1
n-Propylbenzene	ND		ug/kg	2.4	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	12	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	12	1.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	12	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4	1
1,4-Dioxane	ND		ug/kg	240	42.	1
1,4-Diethylbenzene	ND		ug/kg	9.7	0.39	1
4-Ethyltoluene	ND		ug/kg	9.7	0.28	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09 Date Collected: 03/07/14 09:40

Client ID: EB01_10-12 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	9.7	0.32	1
Ethyl ether	ND		ug/kg	12	0.65	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-10	Date Collected:	03/07/14 09:45
Client ID:	EB01_15-17	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 19:25		
Analyst:	MV		
Percent Solids:	63%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	32	6.4	1
1,1-Dichloroethane	ND		ug/kg	4.8	0.57	1
Chloroform	ND		ug/kg	4.8	1.2	1
Carbon tetrachloride	ND		ug/kg	3.2	0.67	1
1,2-Dichloropropane	ND		ug/kg	11	0.73	1
Dibromochloromethane	ND		ug/kg	3.2	0.98	1
1,1,2-Trichloroethane	ND		ug/kg	4.8	0.97	1
Tetrachloroethene	ND		ug/kg	3.2	0.45	1
Chlorobenzene	ND		ug/kg	3.2	1.1	1
Trichlorofluoromethane	ND		ug/kg	16	0.39	1
1,2-Dichloroethane	ND		ug/kg	3.2	0.47	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	0.35	1
Bromodichloromethane	ND		ug/kg	3.2	0.73	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	0.40	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	13	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	0.54	1
Benzene	ND		ug/kg	3.2	0.38	1
Toluene	ND		ug/kg	4.8	0.36	1
Ethylbenzene	ND		ug/kg	3.2	0.47	1
Chloromethane	ND		ug/kg	16	2.5	1
Bromomethane	ND		ug/kg	6.4	1.1	1
Vinyl chloride	ND		ug/kg	6.4	0.45	1
Chloroethane	ND		ug/kg	6.4	1.0	1
1,1-Dichloroethene	ND		ug/kg	3.2	0.66	1
trans-1,2-Dichloroethene	ND		ug/kg	4.8	0.67	1
Trichloroethene	ND		ug/kg	3.2	0.48	1
1,2-Dichlorobenzene	ND		ug/kg	16	0.58	1
1,3-Dichlorobenzene	ND		ug/kg	16	0.58	1
1,4-Dichlorobenzene	ND		ug/kg	16	0.77	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10 Date Collected: 03/07/14 09:45

Client ID: EB01_15-17 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.4	0.33	1
p/m-Xylene	ND		ug/kg	6.4	1.0	1
o-Xylene	ND		ug/kg	6.4	0.86	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	0.48	1
Dibromomethane	ND		ug/kg	32	0.52	1
Styrene	ND		ug/kg	6.4	0.99	1
Dichlorodifluoromethane	ND		ug/kg	32	0.70	1
Acetone	55		ug/kg	32	9.9	1
Carbon disulfide	ND		ug/kg	32	6.4	1
2-Butanone	7.4	J	ug/kg	32	1.1	1
Vinyl acetate	ND		ug/kg	32	1.5	1
4-Methyl-2-pentanone	ND		ug/kg	32	0.78	1
1,2,3-Trichloropropane	ND		ug/kg	32	0.72	1
2-Hexanone	ND		ug/kg	32	0.60	1
Bromochloromethane	ND		ug/kg	16	0.63	1
2,2-Dichloropropane	ND		ug/kg	16	0.72	1
1,2-Dibromoethane	ND		ug/kg	13	0.57	1
1,3-Dichloropropane	ND		ug/kg	16	0.55	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1.0	1
Bromobenzene	ND		ug/kg	16	0.66	1
n-Butylbenzene	ND		ug/kg	3.2	0.63	1
sec-Butylbenzene	ND		ug/kg	3.2	0.66	1
tert-Butylbenzene	ND		ug/kg	16	1.8	1
o-Chlorotoluene	ND		ug/kg	16	0.51	1
p-Chlorotoluene	ND		ug/kg	16	0.49	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.5	1
Hexachlorobutadiene	ND		ug/kg	16	1.3	1
Isopropylbenzene	ND		ug/kg	3.2	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.2	0.61	1
Naphthalene	ND		ug/kg	16	2.4	1
Acrylonitrile	ND		ug/kg	32	0.76	1
n-Propylbenzene	ND		ug/kg	3.2	0.40	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	0.46	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	320	56.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.51	1
4-Ethyltoluene	ND		ug/kg	13	0.37	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10 Date Collected: 03/07/14 09:45

Client ID: EB01_15-17 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.42	1
Ethyl ether	ND		ug/kg	16	0.85	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-11	Date Collected:	03/07/14 13:30
Client ID:	EB02_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 19:54		
Analyst:	MV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.53	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11 Date Collected: 03/07/14 13:30

Client ID: EB02_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.38	1
o-Xylene	ND		ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.19	1
4-Ethyltoluene	ND		ug/kg	4.7	0.14	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11 Date Collected: 03/07/14 13:30

Client ID: EB02_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-12	Date Collected:	03/07/14 13:55
Client ID:	EB02_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 10:12		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	680	140	1
1,1-Dichloroethane	ND		ug/kg	100	12.	1
Chloroform	ND		ug/kg	100	25.	1
Carbon tetrachloride	ND		ug/kg	68	14.	1
1,2-Dichloropropane	ND		ug/kg	240	15.	1
Dibromochloromethane	ND		ug/kg	68	21.	1
1,1,2-Trichloroethane	ND		ug/kg	100	21.	1
Tetrachloroethene	ND		ug/kg	68	9.5	1
Chlorobenzene	ND		ug/kg	68	24.	1
Trichlorofluoromethane	ND		ug/kg	340	8.2	1
1,2-Dichloroethane	ND		ug/kg	68	9.9	1
1,1,1-Trichloroethane	ND		ug/kg	68	7.5	1
Bromodichloromethane	ND		ug/kg	68	16.	1
trans-1,3-Dichloropropene	ND		ug/kg	68	8.2	1
cis-1,3-Dichloropropene	ND		ug/kg	68	8.6	1
1,1-Dichloropropene	ND		ug/kg	340	31.	1
Bromoform	ND		ug/kg	270	28.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	12.	1
Benzene	ND		ug/kg	68	8.0	1
Toluene	16	J	ug/kg	100	7.6	1
Ethylbenzene	ND		ug/kg	68	10.	1
Chloromethane	ND		ug/kg	340	53.	1
Bromomethane	ND		ug/kg	140	23.	1
Vinyl chloride	ND		ug/kg	140	9.6	1
Chloroethane	ND		ug/kg	140	21.	1
1,1-Dichloroethene	ND		ug/kg	68	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	14.	1
Trichloroethene	ND		ug/kg	68	10.	1
1,2-Dichlorobenzene	ND		ug/kg	340	12.	1
1,3-Dichlorobenzene	ND		ug/kg	340	12.	1
1,4-Dichlorobenzene	ND		ug/kg	340	16.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12 Date Collected: 03/07/14 13:55

Client ID: EB02_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	140	7.1	1
p/m-Xylene	27	J	ug/kg	140	22.	1
o-Xylene	ND		ug/kg	140	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	10.	1
Dibromomethane	ND		ug/kg	680	11.	1
Styrene	ND		ug/kg	140	21.	1
Dichlorodifluoromethane	ND		ug/kg	680	15.	1
Acetone	ND		ug/kg	680	210	1
Carbon disulfide	ND		ug/kg	680	140	1
2-Butanone	ND		ug/kg	680	24.	1
Vinyl acetate	ND		ug/kg	680	32.	1
4-Methyl-2-pentanone	ND		ug/kg	680	16.	1
1,2,3-Trichloropropane	ND		ug/kg	680	15.	1
2-Hexanone	ND		ug/kg	680	13.	1
Bromochloromethane	ND		ug/kg	340	13.	1
2,2-Dichloropropane	ND		ug/kg	340	15.	1
1,2-Dibromoethane	ND		ug/kg	270	12.	1
1,3-Dichloropropane	ND		ug/kg	340	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	22.	1
Bromobenzene	ND		ug/kg	340	14.	1
n-Butylbenzene	25	J	ug/kg	68	13.	1
sec-Butylbenzene	22	J	ug/kg	68	14.	1
tert-Butylbenzene	ND		ug/kg	340	38.	1
o-Chlorotoluene	ND		ug/kg	340	11.	1
p-Chlorotoluene	ND		ug/kg	340	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	340	54.	1
Hexachlorobutadiene	ND		ug/kg	340	29.	1
Isopropylbenzene	88		ug/kg	68	11.	1
p-Isopropyltoluene	ND		ug/kg	68	13.	1
Naphthalene	ND		ug/kg	340	52.	1
Acrylonitrile	ND		ug/kg	680	16.	1
n-Propylbenzene	100		ug/kg	68	8.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	340	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	54.	1
1,3,5-Trimethylbenzene	ND		ug/kg	340	9.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	340	39.	1
1,4-Dioxane	ND		ug/kg	6800	1200	1
1,4-Diethylbenzene	44	J	ug/kg	270	11.	1
4-Ethyltoluene	ND		ug/kg	270	7.9	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12 Date Collected: 03/07/14 13:55

Client ID: EB02_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	200	J	ug/kg	270	8.8	1
Ethyl ether	ND		ug/kg	340	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	340	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-13	Date Collected:	03/07/14 14:35
Client ID:	EB02_13-15	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 20:22		
Analyst:	MV		
Percent Solids:	41%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	38	7.7	1
1,1-Dichloroethane	ND		ug/kg	5.8	0.68	1
Chloroform	ND		ug/kg	5.8	1.4	1
Carbon tetrachloride	ND		ug/kg	3.8	0.81	1
1,2-Dichloropropane	ND		ug/kg	14	0.88	1
Dibromochloromethane	ND		ug/kg	3.8	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	5.8	1.2	1
Tetrachloroethene	ND		ug/kg	3.8	0.54	1
Chlorobenzene	ND		ug/kg	3.8	1.3	1
Trichlorofluoromethane	ND		ug/kg	19	0.47	1
1,2-Dichloroethane	ND		ug/kg	3.8	0.56	1
1,1,1-Trichloroethane	ND		ug/kg	3.8	0.43	1
Bromodichloromethane	ND		ug/kg	3.8	0.88	1
trans-1,3-Dichloropropene	ND		ug/kg	3.8	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	3.8	0.49	1
1,1-Dichloropropene	ND		ug/kg	19	1.8	1
Bromoform	ND		ug/kg	15	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.8	0.66	1
Benzene	ND		ug/kg	3.8	0.46	1
Toluene	ND		ug/kg	5.8	0.43	1
Ethylbenzene	ND		ug/kg	3.8	0.57	1
Chloromethane	ND		ug/kg	19	3.0	1
Bromomethane	ND		ug/kg	7.7	1.3	1
Vinyl chloride	ND		ug/kg	7.7	0.54	1
Chloroethane	ND		ug/kg	7.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	3.8	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	5.8	0.82	1
Trichloroethene	ND		ug/kg	3.8	0.59	1
1,2-Dichlorobenzene	ND		ug/kg	19	0.71	1
1,3-Dichlorobenzene	ND		ug/kg	19	0.71	1
1,4-Dichlorobenzene	ND		ug/kg	19	0.93	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13 Date Collected: 03/07/14 14:35

Client ID: EB02_13-15 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	7.7	0.40	1
p/m-Xylene	ND		ug/kg	7.7	1.2	1
o-Xylene	ND		ug/kg	7.7	1.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.8	0.58	1
Dibromomethane	ND		ug/kg	38	0.63	1
Styrene	ND		ug/kg	7.7	1.2	1
Dichlorodifluoromethane	ND		ug/kg	38	0.84	1
Acetone	30	J	ug/kg	38	12.	1
Carbon disulfide	9.2	J	ug/kg	38	7.7	1
2-Butanone	ND		ug/kg	38	1.4	1
Vinyl acetate	ND		ug/kg	38	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	38	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	38	0.87	1
2-Hexanone	ND		ug/kg	38	0.73	1
Bromochloromethane	ND		ug/kg	19	0.76	1
2,2-Dichloropropane	ND		ug/kg	19	0.87	1
1,2-Dibromoethane	ND		ug/kg	15	0.68	1
1,3-Dichloropropane	ND		ug/kg	19	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.8	1.2	1
Bromobenzene	ND		ug/kg	19	0.80	1
n-Butylbenzene	ND		ug/kg	3.8	0.76	1
sec-Butylbenzene	ND		ug/kg	3.8	0.79	1
tert-Butylbenzene	ND		ug/kg	19	2.2	1
o-Chlorotoluene	ND		ug/kg	19	0.62	1
p-Chlorotoluene	ND		ug/kg	19	0.59	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	19	3.0	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Isopropylbenzene	ND		ug/kg	3.8	0.65	1
p-Isopropyltoluene	ND		ug/kg	3.8	0.74	1
Naphthalene	ND		ug/kg	19	3.0	1
Acrylonitrile	ND		ug/kg	38	0.92	1
n-Propylbenzene	ND		ug/kg	3.8	0.48	1
1,2,3-Trichlorobenzene	ND		ug/kg	19	0.65	1
1,2,4-Trichlorobenzene	ND		ug/kg	19	3.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	19	0.55	1
1,2,4-Trimethylbenzene	ND		ug/kg	19	2.2	1
1,4-Dioxane	ND		ug/kg	380	67.	1
1,4-Diethylbenzene	ND		ug/kg	15	0.62	1
4-Ethyltoluene	ND		ug/kg	15	0.45	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13 Date Collected: 03/07/14 14:35

Client ID: EB02_13-15 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	15	0.50	1
Ethyl ether	ND		ug/kg	19	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	19	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 20:50		
Analyst:	MV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	5.0	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	1.6	J	ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14 Date Collected: 03/07/14 09:30

Client ID: EB04_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.2	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.2	0.70	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.98	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.95	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.14	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14 Date Collected: 03/07/14 09:30

Client ID: EB04_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-15	Date Collected:	03/07/14 09:50
Client ID:	EB04_9-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 21:19		
Analyst:	MV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15 Date Collected: 03/07/14 09:50

Client ID: EB04_9-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	9.7	J	ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
1,4-Dioxane	ND		ug/kg	100	17.	1
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16	1
4-Ethyltoluene	ND		ug/kg	4.0	0.12	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15 Date Collected: 03/07/14 09:50

Client ID: EB04_9-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-16	Date Collected:	03/07/14 11:15
Client ID:	EB03_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 21:47		
Analyst:	MV		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	5.2		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	2.8		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16 Date Collected: 03/07/14 11:15

Client ID: EB03_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	ND		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
1,4-Dioxane	ND		ug/kg	160	29.	1
1,4-Diethylbenzene	ND		ug/kg	6.6	0.26	1
4-Ethyltoluene	ND		ug/kg	6.6	0.19	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16 Date Collected: 03/07/14 11:15

Client ID: EB03_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-17	Date Collected:	03/07/14 11:50
Client ID:	EB03_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/10/14 22:16		
Analyst:	MV		
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.58	1
Bromoform	ND		ug/kg	5.1	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.4	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.31	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17 Date Collected: 03/07/14 11:50

Client ID: EB03_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	19		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	4.1	J	ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.4	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.4	0.71	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.54	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.4	0.98	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.73	1
1,4-Dioxane	ND		ug/kg	130	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.1	0.20	1
4-Ethyltoluene	ND		ug/kg	5.1	0.15	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17 Date Collected: 03/07/14 11:50

Client ID: EB03_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.4	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 08:04
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG674563-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 08:04
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG674563-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 08:04
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG674563-3					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 16:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-11,13-17 Batch: WG674697-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 16:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-11,13-17 Batch: WG674697-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 16:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-11,13-17 Batch: WG674697-3					
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/10/14 16:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-11,13-17 Batch: WG674697-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 08:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG674799-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 08:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG674799-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 08:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG674799-3					
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG674563-1 WG674563-2								
Methylene chloride	91		89		70-130	2		30
1,1-Dichloroethane	91		92		70-130	1		30
Chloroform	103		94		70-130	9		30
Carbon tetrachloride	107		94		70-130	13		30
1,2-Dichloropropane	107		100		70-130	7		30
Dibromochloromethane	97		91		70-130	6		30
1,1,2-Trichloroethane	94		87		70-130	8		30
Tetrachloroethene	94		83		70-130	12		30
Chlorobenzene	94		85		70-130	10		30
Trichlorofluoromethane	107		92		70-139	15		30
1,2-Dichloroethane	108		100		70-130	8		30
1,1,1-Trichloroethane	103		91		70-130	12		30
Bromodichloromethane	109		102		70-130	7		30
trans-1,3-Dichloropropene	98		90		70-130	9		30
cis-1,3-Dichloropropene	112		105		70-130	6		30
1,1-Dichloropropene	102		89		70-130	14		30
Bromoform	89		82		70-130	8		30
1,1,2,2-Tetrachloroethane	89		82		70-130	8		30
Benzene	102		93		70-130	9		30
Toluene	92		83		70-130	10		30
Ethylbenzene	93		84		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG674563-1 WG674563-2								
Chloromethane	94		84		52-130	11		30
Bromomethane	96		89		57-147	8		30
Vinyl chloride	100		87		67-130	14		30
Chloroethane	103		90		50-151	13		30
1,1-Dichloroethene	94		89		65-135	5		30
trans-1,2-Dichloroethene	91		88		70-130	3		30
Trichloroethene	99		89		70-130	11		30
1,2-Dichlorobenzene	89		82		70-130	8		30
1,3-Dichlorobenzene	90		82		70-130	9		30
1,4-Dichlorobenzene	89		82		70-130	8		30
Methyl tert butyl ether	93		95		66-130	2		30
p/m-Xylene	94		85		70-130	10		30
o-Xylene	94		86		70-130	9		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Dibromomethane	109		100		70-130	9		30
Styrene	94		86		70-130	9		30
Dichlorodifluoromethane	88		76		30-146	15		30
Acetone	113		128		54-140	12		30
Carbon disulfide	88		83		59-130	6		30
2-Butanone	117		112		70-130	4		30
Vinyl acetate	97		102		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG674563-1 WG674563-2								
4-Methyl-2-pentanone	113		105		70-130	7		30
1,2,3-Trichloropropane	94		85		68-130	10		30
2-Hexanone	102		96		70-130	6		30
Bromochloromethane	105		97		70-130	8		30
2,2-Dichloropropane	104		91		70-130	13		30
1,2-Dibromoethane	94		88		70-130	7		30
1,3-Dichloropropane	95		87		69-130	9		30
1,1,1,2-Tetrachloroethane	94		86		70-130	9		30
Bromobenzene	89		82		70-130	8		30
n-Butylbenzene	90		80		70-130	12		30
sec-Butylbenzene	91		80		70-130	13		30
tert-Butylbenzene	90		80		70-130	12		30
o-Chlorotoluene	88		80		70-130	10		30
p-Chlorotoluene	93		84		70-130	10		30
1,2-Dibromo-3-chloropropane	84		79		68-130	6		30
Hexachlorobutadiene	88		76		67-130	15		30
Isopropylbenzene	90		80		70-130	12		30
p-Isopropyltoluene	90		80		70-130	12		30
Naphthalene	86		77		70-130	11		30
Acrylonitrile	97		98		70-130	1		30
Isopropyl Ether	91		95		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG674563-1 WG674563-2								
tert-Butyl Alcohol	89		94		70-130	5		30
n-Propylbenzene	89		79		70-130	12		30
1,2,3-Trichlorobenzene	87		80		70-130	8		30
1,2,4-Trichlorobenzene	88		79		70-130	11		30
1,3,5-Trimethylbenzene	92		82		70-130	11		30
1,2,4-Trimethylbenzene	90		82		70-130	9		30
Methyl Acetate	86		94		51-146	9		30
Ethyl Acetate	107		98		70-130	9		30
Acrolein	108		109		70-130	1		30
Cyclohexane	112		96		59-142	15		30
1,4-Dioxane	97		89		65-136	9		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		95		50-139	6		30
1,4-Diethylbenzene	91		81		70-130	12		30
4-Ethyltoluene	92		82		70-130	11		30
1,2,4,5-Tetramethylbenzene	90		81		70-130	11		30
Tetrahydrofuran	118		107		66-130	10		30
Ethyl ether	103		97		67-130	6		30
trans-1,4-Dichloro-2-butene	102		93		70-130	9		30
Methyl cyclohexane	112		98		70-130	13		30
Ethyl-Tert-Butyl-Ether	93		96		70-130	3		30
Tertiary-Amyl Methyl Ether	104		97		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG674563-1 WG674563-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-11,13-17 Batch: WG674697-1 WG674697-2								
Methylene chloride	89		85		70-130	5		30
1,1-Dichloroethane	90		86		70-130	5		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	93		90		70-130	3		30
1,2-Dichloropropane	88		84		70-130	5		30
Dibromochloromethane	88		86		70-130	2		30
1,1,2-Trichloroethane	84		84		70-130	0		30
Tetrachloroethene	93		87		70-130	7		30
Chlorobenzene	88		84		70-130	5		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	84		81		70-130	4		30
1,1,1-Trichloroethane	90		87		70-130	3		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	86		85		70-130	1		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	92		87		70-130	6		30
Bromoform	88		87		70-130	1		30
1,1,2,2-Tetrachloroethane	86		85		70-130	1		30
Benzene	87		82		70-130	6		30
Toluene	89		84		70-130	6		30
Ethylbenzene	88		84		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-11,13-17 Batch: WG674697-1 WG674697-2								
Chloromethane	92		86		52-130	7		30
Bromomethane	107		102		57-147	5		30
Vinyl chloride	97		91		67-130	6		30
Chloroethane	95		93		50-151	2		30
1,1-Dichloroethene	93		89		65-135	4		30
trans-1,2-Dichloroethene	91		85		70-130	7		30
Trichloroethene	90		85		70-130	6		30
1,2-Dichlorobenzene	88		84		70-130	5		30
1,3-Dichlorobenzene	88		81		70-130	8		30
1,4-Dichlorobenzene	86		82		70-130	5		30
Methyl tert butyl ether	84		82		66-130	2		30
p/m-Xylene	88		84		70-130	5		30
o-Xylene	88		84		70-130	5		30
cis-1,2-Dichloroethene	88		84		70-130	5		30
Dibromomethane	86		84		70-130	2		30
Styrene	86		82		70-130	5		30
Dichlorodifluoromethane	97		90		30-146	7		30
Acetone	64		64		54-140	0		30
Carbon disulfide	92		88		59-130	4		30
2-Butanone	**66**	Q	**65**	Q	70-130	2		30
Vinyl acetate	84		84		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-11,13-17 Batch: WG674697-1 WG674697-2								
4-Methyl-2-pentanone	78		80		70-130	3		30
1,2,3-Trichloropropane	86		85		68-130	1		30
2-Hexanone	73		73		70-130	0		30
Bromochloromethane	88		84		70-130	5		30
2,2-Dichloropropane	89		84		70-130	6		30
1,2-Dibromoethane	86		85		70-130	1		30
1,3-Dichloropropane	86		84		69-130	2		30
1,1,1,2-Tetrachloroethane	88		85		70-130	3		30
Bromobenzene	89		83		70-130	7		30
n-Butylbenzene	90		84		70-130	7		30
sec-Butylbenzene	94		88		70-130	7		30
tert-Butylbenzene	94		88		70-130	7		30
o-Chlorotoluene	89		84		70-130	6		30
p-Chlorotoluene	89		83		70-130	7		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	98		90		67-130	9		30
Isopropylbenzene	91		85		70-130	7		30
p-Isopropyltoluene	92		86		70-130	7		30
Naphthalene	82		82		70-130	0		30
Acrylonitrile	84		89		70-130	6		30
Isopropyl Ether	86		84		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-11,13-17 Batch: WG674697-1 WG674697-2								
tert-Butyl Alcohol	80		80		70-130	0		30
n-Propylbenzene	91		85		70-130	7		30
1,2,3-Trichlorobenzene	84		82		70-130	2		30
1,2,4-Trichlorobenzene	83		79		70-130	5		30
1,3,5-Trimethylbenzene	92		86		70-130	7		30
1,2,4-Trimethylbenzene	90		85		70-130	6		30
Methyl Acetate	85		86		51-146	1		30
Ethyl Acetate	86		87		70-130	1		30
Acrolein	86		89		70-130	3		30
Cyclohexane	92		86		59-142	7		30
1,4-Dioxane	85		85		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		88		50-139	7		30
1,4-Diethylbenzene	91		85		70-130	7		30
4-Ethyltoluene	90		84		70-130	7		30
1,2,4,5-Tetramethylbenzene	89		84		70-130	6		30
Tetrahydrofuran	106		104		66-130	2		30
Ethyl ether	87		85		67-130	2		30
trans-1,4-Dichloro-2-butene	83		81		70-130	2		30
Methyl cyclohexane	89		84		70-130	6		30
Ethyl-Tert-Butyl-Ether	85		82		70-130	4		30
Tertiary-Amyl Methyl Ether	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-11,13-17 Batch: WG674697-1 WG674697-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG674799-1 WG674799-2								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	104		98		70-130	6		30
Carbon tetrachloride	106		100		70-130	6		30
1,2-Dichloropropane	98		94		70-130	4		30
Dibromochloromethane	110		107		70-130	3		30
1,1,2-Trichloroethane	95		93		70-130	2		30
Tetrachloroethene	112		107		70-130	5		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	106		100		70-139	6		30
1,2-Dichloroethane	103		100		70-130	3		30
1,1,1-Trichloroethane	108		100		70-130	8		30
Bromodichloromethane	103		100		70-130	3		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	94		91		70-130	3		30
1,1-Dichloropropene	92		86		70-130	7		30
Bromoform	106		101		70-130	5		30
1,1,2,2-Tetrachloroethane	90		84		70-130	7		30
Benzene	90		86		70-130	5		30
Toluene	98		94		70-130	4		30
Ethylbenzene	100		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG674799-1 WG674799-2								
Chloromethane	96		92		52-130	4		30
Bromomethane	106		90		57-147	16		30
Vinyl chloride	100		93		67-130	7		30
Chloroethane	106		102		50-151	4		30
1,1-Dichloroethene	95		88		65-135	8		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	105		100		70-130	5		30
1,3-Dichlorobenzene	108		99		70-130	9		30
1,4-Dichlorobenzene	104		98		70-130	6		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	104		99		70-130	5		30
o-Xylene	104		100		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	94		91		70-130	3		30
Styrene	101		97		70-130	4		30
Dichlorodifluoromethane	81		75		30-146	8		30
Acetone	**155**	Q	132		54-140	16		30
Carbon disulfide	85		81		59-130	5		30
2-Butanone	114		97		70-130	16		30
Vinyl acetate	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG674799-1 WG674799-2								
4-Methyl-2-pentanone	93		90		70-130	3		30
1,2,3-Trichloropropane	88		83		68-130	6		30
2-Hexanone	104		98		70-130	6		30
Bromochloromethane	101		97		70-130	4		30
2,2-Dichloropropane	103		99		70-130	4		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	93		90		69-130	3		30
1,1,1,2-Tetrachloroethane	110		107		70-130	3		30
Bromobenzene	104		95		70-130	9		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	100		92		70-130	8		30
tert-Butylbenzene	107		99		70-130	8		30
o-Chlorotoluene	99		91		70-130	8		30
p-Chlorotoluene	103		96		70-130	7		30
1,2-Dibromo-3-chloropropane	93		85		68-130	9		30
Hexachlorobutadiene	120		109		67-130	10		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	109		100		70-130	9		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		98		70-130	3		30
Isopropyl Ether	105		101		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG674799-1 WG674799-2								
tert-Butyl Alcohol	91		91		70-130	0		30
n-Propylbenzene	97		90		70-130	7		30
1,2,3-Trichlorobenzene	106		100		70-130	6		30
1,2,4-Trichlorobenzene	110		103		70-130	7		30
1,3,5-Trimethylbenzene	103		95		70-130	8		30
1,2,4-Trimethylbenzene	101		93		70-130	8		30
Methyl Acetate	86		86		51-146	0		30
Ethyl Acetate	92		94		70-130	2		30
Acrolein	96		100		70-130	4		30
Cyclohexane	103		98		59-142	5		30
1,4-Dioxane	85		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		88		50-139	9		30
1,4-Diethylbenzene	111		105		70-130	6		30
4-Ethyltoluene	103		98		70-130	5		30
1,2,4,5-Tetramethylbenzene	111		105		70-130	6		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	91		89		67-130	2		30
trans-1,4-Dichloro-2-butene	105		100		70-130	5		30
Methyl cyclohexane	94		88		70-130	7		30
Ethyl-Tert-Butyl-Ether	105		102		70-130	3		30
Tertiary-Amyl Methyl Ether	92		89		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG674799-1 WG674799-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	104		104		70-130

SEMIVOLATILES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-01	Date Collected:	03/07/14 14:00
Client ID:	EB06_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 19:44		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01 Date Collected: 03/07/14 14:00

Client ID: EB06_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	120	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	110		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01 Date Collected: 03/07/14 14:00

Client ID: EB06_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	43		0-136
4-Terphenyl-d14	76		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-02	Date Collected:	03/07/14 14:10
Client ID:	EB06_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 20:10		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02 Date Collected: 03/07/14 14:10

Client ID: EB06_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02 Date Collected: 03/07/14 14:10

Client ID: EB06_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	83		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-03	Date Collected:	03/07/14 14:20
Client ID:	EB06_7.5-9	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 20:35		
Analyst:	PS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03 Date Collected: 03/07/14 14:20

Client ID: EB06_7.5-9 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03 Date Collected: 03/07/14 14:20

Client ID: EB06_7.5-9 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	51		0-136
4-Terphenyl-d14	66		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-04	Date Collected:	03/07/14 11:50
Client ID:	EB05_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 21:01		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	190	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04 Date Collected: 03/07/14 11:50

Client ID: EB05_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04 Date Collected: 03/07/14 11:50

Client ID: EB05_0-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	40		0-136
4-Terphenyl-d14	40		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-05	Date Collected:	03/07/14 12:05
Client ID:	EB05_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 21:27		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05 Date Collected: 03/07/14 12:05

Client ID: EB05_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05 Date Collected: 03/07/14 12:05

Client ID: EB05_5-6.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	51		0-136
4-Terphenyl-d14	65		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-06	Date Collected:	03/07/14 12:20
Client ID:	EB05_12-13.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 21:53		
Analyst:	PS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06 Date Collected: 03/07/14 12:20

Client ID: EB05_12-13.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06 Date Collected: 03/07/14 12:20

Client ID: EB05_12-13.5 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	33		0-136
4-Terphenyl-d14	31		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-07	Date Collected:	03/07/14 00:00
Client ID:	DUP01_030714	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 22:18		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	110	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07 Date Collected: 03/07/14 00:00

Client ID: DUP01_030714 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	110	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	850	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07 Date Collected: 03/07/14 00:00

Client ID: DUP01_030714 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**24**	Q	25-120
Phenol-d6	27		10-120
Nitrobenzene-d5	25		23-120
2-Fluorobiphenyl	**24**	Q	30-120
2,4,6-Tribromophenol	22		0-136
4-Terphenyl-d14	26		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-08	Date Collected:	03/07/14 09:20
Client ID:	EB01_1-3	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 22:44		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	66	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08 Date Collected: 03/07/14 09:20

Client ID: EB01_1-3 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	140	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	130		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	120	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	190		ug/kg	150	42.	1
Pyrene	56	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08 Date Collected: 03/07/14 09:20

Client ID: EB01_1-3 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	38		0-136
4-Terphenyl-d14	61		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-09	Date Collected:	03/07/14 09:40
Client ID:	EB01_10-12	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 23:10		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	400		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	150		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09 Date Collected: 03/07/14 09:40

Client ID: EB01_10-12 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	210		ug/kg	150	47.	1
Benzo(b)fluoranthene	220		ug/kg	110	38.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	36.	1
Chrysene	150		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	58	J	ug/kg	110	32.	1
Benzo(ghi)perylene	170		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	300		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	130		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	240		ug/kg	150	42.	1
Pyrene	330		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09 Date Collected: 03/07/14 09:40

Client ID: EB01_10-12 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	46		0-136
4-Terphenyl-d14	52		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-10	Date Collected:	03/07/14 09:45
Client ID:	EB01_15-17	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/13/14 23:36		
Analyst:	PS		
Percent Solids:	63%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	54.	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	86.	1
Hexachlorobenzene	ND		ug/kg	160	49.	1
Bis(2-chloroethyl)ether	ND		ug/kg	240	74.	1
2-Chloronaphthalene	ND		ug/kg	260	86.	1
1,2-Dichlorobenzene	ND		ug/kg	260	86.	1
1,3-Dichlorobenzene	ND		ug/kg	260	83.	1
1,4-Dichlorobenzene	ND		ug/kg	260	80.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	70.	1
2,4-Dinitrotoluene	ND		ug/kg	260	57.	1
2,6-Dinitrotoluene	ND		ug/kg	260	67.	1
Fluoranthene	ND		ug/kg	160	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	80.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	60.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	320	92.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	280	80.	1
Hexachlorobutadiene	ND		ug/kg	260	74.	1
Hexachlorocyclopentadiene	ND		ug/kg	750	170	1
Hexachloroethane	ND		ug/kg	210	48.	1
Isophorone	ND		ug/kg	240	70.	1
Naphthalene	ND		ug/kg	260	87.	1
Nitrobenzene	ND		ug/kg	240	62.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	210	55.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	78.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	260	69.	1
Butyl benzyl phthalate	ND		ug/kg	260	51.	1
Di-n-butylphthalate	ND		ug/kg	260	51.	1
Di-n-octylphthalate	ND		ug/kg	260	65.	1
Diethyl phthalate	ND		ug/kg	260	56.	1
Dimethyl phthalate	ND		ug/kg	260	67.	1
Benzo(a)anthracene	ND		ug/kg	160	51.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10 Date Collected: 03/07/14 09:45

Client ID: EB01_15-17 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	210	64.	1
Benzo(b)fluoranthene	ND		ug/kg	160	53.	1
Benzo(k)fluoranthene	ND		ug/kg	160	50.	1
Chrysene	ND		ug/kg	160	52.	1
Acenaphthylene	ND		ug/kg	210	49.	1
Anthracene	ND		ug/kg	160	44.	1
Benzo(ghi)perylene	ND		ug/kg	210	55.	1
Fluorene	ND		ug/kg	260	75.	1
Phenanthrene	ND		ug/kg	160	51.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	51.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	210	58.	1
Pyrene	ND		ug/kg	160	51.	1
Biphenyl	ND		ug/kg	600	87.	1
4-Chloroaniline	ND		ug/kg	260	69.	1
2-Nitroaniline	ND		ug/kg	260	74.	1
3-Nitroaniline	ND		ug/kg	260	72.	1
4-Nitroaniline	ND		ug/kg	260	71.	1
Dibenzofuran	ND		ug/kg	260	88.	1
2-Methylnaphthalene	ND		ug/kg	320	84.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	81.	1
Acetophenone	ND		ug/kg	260	82.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	50.	1
P-Chloro-M-Cresol	ND		ug/kg	260	76.	1
2-Chlorophenol	ND		ug/kg	260	79.	1
2,4-Dichlorophenol	ND		ug/kg	240	85.	1
2,4-Dimethylphenol	ND		ug/kg	260	78.	1
2-Nitrophenol	ND		ug/kg	570	82.	1
4-Nitrophenol	ND		ug/kg	370	85.	1
2,4-Dinitrophenol	ND		ug/kg	1300	360	1
4,6-Dinitro-o-cresol	ND		ug/kg	680	96.	1
Pentachlorophenol	ND		ug/kg	210	56.	1
Phenol	ND		ug/kg	260	78.	1
2-Methylphenol	ND		ug/kg	260	85.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	380	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	260	85.	1
Benzoic Acid	ND		ug/kg	850	270	1
Benzyl Alcohol	ND		ug/kg	260	81.	1
Carbazole	ND		ug/kg	260	56.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10 Date Collected: 03/07/14 09:45

Client ID: EB01_15-17 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-11	Date Collected:	03/07/14 13:30
Client ID:	EB02_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/14/14 01:03		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	910		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	460		ug/kg	120	38.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11 Date Collected: 03/07/14 13:30

Client ID: EB02_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	420		ug/kg	160	48.	1
Benzo(b)fluoranthene	540		ug/kg	120	40.	1
Benzo(k)fluoranthene	180		ug/kg	120	38.	1
Chrysene	490		ug/kg	120	39.	1
Acenaphthylene	46	J	ug/kg	160	37.	1
Anthracene	150		ug/kg	120	33.	1
Benzo(ghi)perylene	340		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	690		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	89	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	330		ug/kg	160	44.	1
Pyrene	870		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	480		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	56	J	ug/kg	200	42.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11 Date Collected: 03/07/14 13:30

Client ID: EB02_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**13**	Q	25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	11		0-136
4-Terphenyl-d14	39		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-12	Date Collected:	03/07/14 13:55
Client ID:	EB02_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/14/14 01:30		
Analyst:	PS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	120	J	ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	100	J	ug/kg	130	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12 Date Collected: 03/07/14 13:55

Client ID: EB02_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	95	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	110	J	ug/kg	130	42.	1
Benzo(k)fluoranthene	ND		ug/kg	130	40.	1
Chrysene	110	J	ug/kg	130	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	130	35.	1
Benzo(ghi)perylene	68	J	ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	52	J	ug/kg	130	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	62	J	ug/kg	170	47.	1
Pyrene	120	J	ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12 Date Collected: 03/07/14 13:55

Client ID: EB02_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	44		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-13	Date Collected:	03/07/14 14:35
Client ID:	EB02_13-15	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/14/14 01:58		
Analyst:	PS		
Percent Solids:	41%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	320	84.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	130	1
Hexachlorobenzene	ND		ug/kg	240	76.	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	110	1
2-Chloronaphthalene	ND		ug/kg	400	130	1
1,2-Dichlorobenzene	ND		ug/kg	400	130	1
1,3-Dichlorobenzene	ND		ug/kg	400	130	1
1,4-Dichlorobenzene	ND		ug/kg	400	120	1
3,3'-Dichlorobenzidine	ND		ug/kg	400	110	1
2,4-Dinitrotoluene	ND		ug/kg	400	87.	1
2,6-Dinitrotoluene	ND		ug/kg	400	100	1
Fluoranthene	ND		ug/kg	240	74.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	400	120	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	93.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	490	140	1
Bis(2-chloroethoxy)methane	ND		ug/kg	440	120	1
Hexachlorobutadiene	ND		ug/kg	400	110	1
Hexachlorocyclopentadiene	ND		ug/kg	1200	260	1
Hexachloroethane	ND		ug/kg	320	74.	1
Isophorone	ND		ug/kg	360	110	1
Naphthalene	ND		ug/kg	400	130	1
Nitrobenzene	ND		ug/kg	360	96.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	320	85.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	400	120	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	110	1
Butyl benzyl phthalate	ND		ug/kg	400	79.	1
Di-n-butylphthalate	ND		ug/kg	400	78.	1
Di-n-octylphthalate	ND		ug/kg	400	100	1
Diethyl phthalate	ND		ug/kg	400	86.	1
Dimethyl phthalate	ND		ug/kg	400	100	1
Benzo(a)anthracene	ND		ug/kg	240	79.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13 Date Collected: 03/07/14 14:35

Client ID: EB02_13-15 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	320	99.	1
Benzo(b)fluoranthene	ND		ug/kg	240	82.	1
Benzo(k)fluoranthene	ND		ug/kg	240	77.	1
Chrysene	ND		ug/kg	240	80.	1
Acenaphthylene	ND		ug/kg	320	76.	1
Anthracene	ND		ug/kg	240	67.	1
Benzo(ghi)perylene	ND		ug/kg	320	84.	1
Fluorene	ND		ug/kg	400	120	1
Phenanthrene	ND		ug/kg	240	79.	1
Dibenzo(a,h)anthracene	ND		ug/kg	240	78.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	320	90.	1
Pyrene	ND		ug/kg	240	79.	1
Biphenyl	ND		ug/kg	920	130	1
4-Chloroaniline	ND		ug/kg	400	110	1
2-Nitroaniline	ND		ug/kg	400	110	1
3-Nitroaniline	ND		ug/kg	400	110	1
4-Nitroaniline	ND		ug/kg	400	110	1
Dibenzofuran	ND		ug/kg	400	140	1
2-Methylnaphthalene	ND		ug/kg	490	130	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	120	1
Acetophenone	ND		ug/kg	400	120	1
2,4,6-Trichlorophenol	ND		ug/kg	240	76.	1
P-Chloro-M-Cresol	ND		ug/kg	400	120	1
2-Chlorophenol	ND		ug/kg	400	120	1
2,4-Dichlorophenol	ND		ug/kg	360	130	1
2,4-Dimethylphenol	ND		ug/kg	400	120	1
2-Nitrophenol	ND		ug/kg	880	130	1
4-Nitrophenol	ND		ug/kg	570	130	1
2,4-Dinitrophenol	ND		ug/kg	1900	550	1
4,6-Dinitro-o-cresol	ND		ug/kg	1000	150	1
Pentachlorophenol	ND		ug/kg	320	87.	1
Phenol	ND		ug/kg	400	120	1
2-Methylphenol	ND		ug/kg	400	130	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	580	130	1
2,4,5-Trichlorophenol	ND		ug/kg	400	130	1
Benzoic Acid	ND		ug/kg	1300	410	1
Benzyl Alcohol	ND		ug/kg	400	120	1
Carbazole	ND		ug/kg	400	87.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13 Date Collected: 03/07/14 14:35

Client ID: EB02_13-15 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	60		0-136
4-Terphenyl-d14	32		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14 D2	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/14/14 11:51		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	15000		ug/kg	460	150	4

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14 D	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:27
Analytical Date:	03/14/14 02:26		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2000		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	98.	2
Fluoranthene	9600		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	88.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	69.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	860		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	340	91.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	74.	2
Di-n-octylphthalate	ND		ug/kg	380	94.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	97.	2
Benzo(a)anthracene	4600		ug/kg	230	75.	2

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14 D Date Collected: 03/07/14 09:30

Client ID: EB04_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3100		ug/kg	300	93.	2
Benzo(b)fluoranthene	4000		ug/kg	230	77.	2
Benzo(k)fluoranthene	1300		ug/kg	230	73.	2
Chrysene	4700		ug/kg	230	75.	2
Acenaphthylene	ND		ug/kg	300	71.	2
Anthracene	3100		ug/kg	230	63.	2
Benzo(ghi)perylene	2000		ug/kg	300	79.	2
Fluorene	1800		ug/kg	380	110	2
Phenanthrene	16000	E	ug/kg	230	74.	2
Dibenzo(a,h)anthracene	510		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	300	84.	2
Pyrene	9400		ug/kg	230	74.	2
Biphenyl	210	J	ug/kg	870	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	620		ug/kg	380	130	2
2-Methylnaphthalene	1200		ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	820	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	300	82.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	1000		ug/kg	380	82.	2

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14 D Date Collected: 03/07/14 09:30

Client ID: EB04_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	36		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	51		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-15	Date Collected:	03/07/14 09:50
Client ID:	EB04_9-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:39
Analytical Date:	03/14/14 02:54		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15 Date Collected: 03/07/14 09:50

Client ID: EB04_9-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15 Date Collected: 03/07/14 09:50

Client ID: EB04_9-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	71		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-16	Date Collected:	03/07/14 11:15
Client ID:	EB03_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:39
Analytical Date:	03/14/14 03:21		
Analyst:	RC		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	63	J	ug/kg	180	47.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	74.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	64.	1
2-Chloronaphthalene	ND		ug/kg	230	74.	1
1,2-Dichlorobenzene	ND		ug/kg	230	75.	1
1,3-Dichlorobenzene	ND		ug/kg	230	72.	1
1,4-Dichlorobenzene	ND		ug/kg	230	69.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	60.	1
2,4-Dinitrotoluene	ND		ug/kg	230	49.	1
2,6-Dinitrotoluene	ND		ug/kg	230	58.	1
Fluoranthene	1100		ug/kg	140	42.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	69.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	80.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	69.	1
Hexachlorobutadiene	ND		ug/kg	230	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	150	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	230	76.	1
Nitrobenzene	ND		ug/kg	200	54.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	68.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	230	60.	1
Butyl benzyl phthalate	ND		ug/kg	230	44.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	56.	1
Diethyl phthalate	ND		ug/kg	230	48.	1
Dimethyl phthalate	ND		ug/kg	230	58.	1
Benzo(a)anthracene	500		ug/kg	140	44.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16 Date Collected: 03/07/14 11:15

Client ID: EB03_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	480		ug/kg	180	56.	1
Benzo(b)fluoranthene	650		ug/kg	140	46.	1
Benzo(k)fluoranthene	240		ug/kg	140	43.	1
Chrysene	630		ug/kg	140	45.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	140		ug/kg	140	38.	1
Benzo(ghi)perylene	400		ug/kg	180	47.	1
Fluorene	66	J	ug/kg	230	65.	1
Phenanthrene	870		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	81	J	ug/kg	140	44.	1
Indeno(1,2,3-cd)Pyrene	400		ug/kg	180	50.	1
Pyrene	1000		ug/kg	140	44.	1
Biphenyl	ND		ug/kg	520	75.	1
4-Chloroaniline	ND		ug/kg	230	60.	1
2-Nitroaniline	ND		ug/kg	230	64.	1
3-Nitroaniline	ND		ug/kg	230	63.	1
4-Nitroaniline	ND		ug/kg	230	61.	1
Dibenzofuran	ND		ug/kg	230	76.	1
2-Methylnaphthalene	ND		ug/kg	270	73.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	70.	1
Acetophenone	ND		ug/kg	230	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
P-Chloro-M-Cresol	ND		ug/kg	230	66.	1
2-Chlorophenol	ND		ug/kg	230	69.	1
2,4-Dichlorophenol	ND		ug/kg	200	74.	1
2,4-Dimethylphenol	ND		ug/kg	230	68.	1
2-Nitrophenol	ND		ug/kg	490	71.	1
4-Nitrophenol	ND		ug/kg	320	74.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	83.	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	230	67.	1
2-Methylphenol	ND		ug/kg	230	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	75.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	74.	1
Benzoic Acid	ND		ug/kg	740	230	1
Benzyl Alcohol	ND		ug/kg	230	70.	1
Carbazole	64	J	ug/kg	230	49.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16 Date Collected: 03/07/14 11:15

Client ID: EB03_0.5-2 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	25-120
Phenol-d6	30		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	25		0-136
4-Terphenyl-d14	36		18-120

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-17	Date Collected:	03/07/14 11:50
Client ID:	EB03_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/08/14 10:39
Analytical Date:	03/14/14 03:49		
Analyst:	RC		
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	55	J	ug/kg	190	48.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	76.	1
Hexachlorobenzene	ND		ug/kg	140	43.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	65.	1
2-Chloronaphthalene	ND		ug/kg	230	76.	1
1,2-Dichlorobenzene	ND		ug/kg	230	76.	1
1,3-Dichlorobenzene	ND		ug/kg	230	73.	1
1,4-Dichlorobenzene	ND		ug/kg	230	71.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	50.	1
2,6-Dinitrotoluene	ND		ug/kg	230	60.	1
Fluoranthene	720		ug/kg	140	43.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	71.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	54.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	82.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	70.	1
Hexachlorobutadiene	ND		ug/kg	230	66.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	150	1
Hexachloroethane	ND		ug/kg	190	42.	1
Isophorone	ND		ug/kg	210	62.	1
Naphthalene	ND		ug/kg	230	77.	1
Nitrobenzene	ND		ug/kg	210	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	69.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	230	61.	1
Butyl benzyl phthalate	ND		ug/kg	230	46.	1
Di-n-butylphthalate	ND		ug/kg	230	45.	1
Di-n-octylphthalate	ND		ug/kg	230	57.	1
Diethyl phthalate	ND		ug/kg	230	49.	1
Dimethyl phthalate	ND		ug/kg	230	59.	1
Benzo(a)anthracene	440		ug/kg	140	46.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17 Date Collected: 03/07/14 11:50

Client ID: EB03_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	410		ug/kg	190	57.	1
Benzo(b)fluoranthene	310		ug/kg	140	47.	1
Benzo(k)fluoranthene	160		ug/kg	140	44.	1
Chrysene	510		ug/kg	140	46.	1
Acenaphthylene	ND		ug/kg	190	44.	1
Anthracene	160		ug/kg	140	39.	1
Benzo(ghi)perylene	390		ug/kg	190	48.	1
Fluorene	ND		ug/kg	230	67.	1
Phenanthrene	560		ug/kg	140	46.	1
Dibenzo(a,h)anthracene	72	J	ug/kg	140	45.	1
Indeno(1,2,3-cd)Pyrene	230		ug/kg	190	52.	1
Pyrene	820		ug/kg	140	45.	1
Biphenyl	ND		ug/kg	530	77.	1
4-Chloroaniline	ND		ug/kg	230	62.	1
2-Nitroaniline	ND		ug/kg	230	66.	1
3-Nitroaniline	ND		ug/kg	230	64.	1
4-Nitroaniline	ND		ug/kg	230	63.	1
Dibenzofuran	ND		ug/kg	230	78.	1
2-Methylnaphthalene	ND		ug/kg	280	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	72.	1
Acetophenone	ND		ug/kg	230	72.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
P-Chloro-M-Cresol	ND		ug/kg	230	68.	1
2-Chlorophenol	ND		ug/kg	230	70.	1
2,4-Dichlorophenol	ND		ug/kg	210	76.	1
2,4-Dimethylphenol	ND		ug/kg	230	69.	1
2-Nitrophenol	ND		ug/kg	500	73.	1
4-Nitrophenol	ND		ug/kg	330	76.	1
2,4-Dinitrophenol	ND		ug/kg	1100	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	85.	1
Pentachlorophenol	ND		ug/kg	190	50.	1
Phenol	ND		ug/kg	230	69.	1
2-Methylphenol	ND		ug/kg	230	75.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	76.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	76.	1
Benzoic Acid	ND		ug/kg	760	240	1
Benzyl Alcohol	ND		ug/kg	230	72.	1
Carbazole	ND		ug/kg	230	50.	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17 Date Collected: 03/07/14 11:50

Client ID: EB03_8-10 Date Received: 03/07/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	68		18-120

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 15:26
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG674362-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 15:26
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG674362-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 15:26
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG674362-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	35		0-136
4-Terphenyl-d14	73		18-120

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 09:29
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG674365-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 09:29
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG674365-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 09:29
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/08/14 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG674365-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG674362-2 WG674362-3								
Acenaphthene	84		66		31-137	24		50
1,2,4-Trichlorobenzene	72		57		38-107	23		50
Hexachlorobenzene	90		71		40-140	24		50
Bis(2-chloroethyl)ether	79		59		40-140	29		50
2-Chloronaphthalene	86		64		40-140	29		50
1,2-Dichlorobenzene	74		57		40-140	26		50
1,3-Dichlorobenzene	71		56		40-140	24		50
1,4-Dichlorobenzene	70		56		28-104	22		50
3,3'-Dichlorobenzidine	55		46		40-140	18		50
2,4-Dinitrotoluene	**107**	Q	84		28-89	24		50
2,6-Dinitrotoluene	109		80		40-140	31		50
Fluoranthene	108		87		40-140	22		50
4-Chlorophenyl phenyl ether	89		69		40-140	25		50
4-Bromophenyl phenyl ether	95		74		40-140	25		50
Bis(2-chloroisopropyl)ether	83		63		40-140	27		50
Bis(2-chloroethoxy)methane	90		64		40-117	34		50
Hexachlorobutadiene	70		55		40-140	24		50
Hexachlorocyclopentadiene	81		68		40-140	17		50
Hexachloroethane	75		58		40-140	26		50
Isophorone	101		70		40-140	36		50
Naphthalene	76		60		40-140	24		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG674362-2 WG674362-3								
Nitrobenzene	82		64		40-140	25		50
NitrosoDiPhenylAmine(NDPA)/DPA	102		79			25		50
n-Nitrosodi-n-propylamine	96		70		32-121	31		50
Bis(2-Ethylhexyl)phthalate	97		70		40-140	32		50
Butyl benzyl phthalate	94		76		40-140	21		50
Di-n-butylphthalate	95		78		40-140	20		50
Di-n-octylphthalate	80		65		40-140	21		50
Diethyl phthalate	105		84		40-140	22		50
Dimethyl phthalate	98		78		40-140	23		50
Benzo(a)anthracene	102		85		40-140	18		50
Benzo(a)pyrene	82		68		40-140	19		50
Benzo(b)fluoranthene	77		64		40-140	18		50
Benzo(k)fluoranthene	95		79		40-140	18		50
Chrysene	90		75		40-140	18		50
Acenaphthylene	101		74		40-140	31		50
Anthracene	100		83		40-140	19		50
Benzo(ghi)perylene	73		61		40-140	18		50
Fluorene	96		76		40-140	23		50
Phenanthrene	89		74		40-140	18		50
Dibenzo(a,h)anthracene	75		62		40-140	19		50
Indeno(1,2,3-cd)Pyrene	67		56		40-140	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG674362-2 WG674362-3								
Pyrene	102		82		35-142	22		50
Biphenyl	74		58			24		50
4-Chloroaniline	74		72		40-140	3		50
2-Nitroaniline	97		74		47-134	27		50
3-Nitroaniline	58		43		26-129	30		50
4-Nitroaniline	105		79		41-125	28		50
Dibenzofuran	88		70		40-140	23		50
2-Methylnaphthalene	85		64		40-140	28		50
1,2,4,5-Tetrachlorobenzene	66		53		40-117	22		50
Acetophenone	88		64		14-144	32		50
2,4,6-Trichlorophenol	93		68		30-130	31		50
P-Chloro-M-Cresol	**105**	Q	77		26-103	31		50
2-Chlorophenol	88		64		25-102	32		50
2,4-Dichlorophenol	91		66		30-130	32		50
2,4-Dimethylphenol	97		66		30-130	38		50
2-Nitrophenol	86		62		30-130	32		50
4-Nitrophenol	102		78		11-114	27		50
2,4-Dinitrophenol	70		60		4-130	15		50
4,6-Dinitro-o-cresol	89		70		10-130	24		50
Pentachlorophenol	75		64		17-109	16		50
Phenol	90		64		26-90	34		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG674362-2 WG674362-3								
2-Methylphenol	95		66		30-130.	36		50
3-Methylphenol/4-Methylphenol	100		69		30-130	37		50
2,4,5-Trichlorophenol	101		73		30-130	32		50
Benzoic Acid	43		39			10		50
Benzyl Alcohol	93		66		40-140	34		50
Carbazole	101		83		54-128	20		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		65		25-120
Phenol-d6	93		70		10-120
Nitrobenzene-d5	90		68		23-120
2-Fluorobiphenyl	83		63		30-120
2,4,6-Tribromophenol	72		61		0-136
4-Terphenyl-d14	94		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG674365-2 WG674365-3								
Acenaphthene	67		62		31-137	8		50
1,2,4-Trichlorobenzene	61		53		38-107	14		50
Hexachlorobenzene	83		74		40-140	11		50
Bis(2-chloroethyl)ether	48		41		40-140	16		50
2-Chloronaphthalene	68		60		40-140	13		50
1,2-Dichlorobenzene	55		50		40-140	10		50
1,3-Dichlorobenzene	57		49		40-140	15		50
1,4-Dichlorobenzene	55		47		28-104	16		50
3,3'-Dichlorobenzidine	48		46		40-140	4		50
2,4-Dinitrotoluene	74		67		28-89	10		50
2,6-Dinitrotoluene	70		64		40-140	9		50
Fluoranthene	77		72		40-140	7		50
4-Chlorophenyl phenyl ether	75		69		40-140	8		50
4-Bromophenyl phenyl ether	80		71		40-140	12		50
Bis(2-chloroisopropyl)ether	**35**	Q	**30**	Q	40-140	15		50
Bis(2-chloroethoxy)methane	50		44		40-117	13		50
Hexachlorobutadiene	64		55		40-140	15		50
Hexachlorocyclopentadiene	48		41		40-140	16		50
Hexachloroethane	53		46		40-140	14		50
Isophorone	50		45		40-140	11		50
Naphthalene	59		51		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG674365-2 WG674365-3								
Nitrobenzene	54		49		40-140	10		50
NitrosoDiPhenylAmine(NDPA)/DPA	74		68			8		50
n-Nitrosodi-n-propylamine	50		44		32-121	13		50
Bis(2-Ethylhexyl)phthalate	74		68		40-140	8		50
Butyl benzyl phthalate	71		65		40-140	9		50
Di-n-butylphthalate	75		70		40-140	7		50
Di-n-octylphthalate	74		68		40-140	8		50
Diethyl phthalate	74		66		40-140	11		50
Dimethyl phthalate	73		65		40-140	12		50
Benzo(a)anthracene	77		72		40-140	7		50
Benzo(a)pyrene	77		70		40-140	10		50
Benzo(b)fluoranthene	72		66		40-140	9		50
Benzo(k)fluoranthene	80		73		40-140	9		50
Chrysene	78		72		40-140	8		50
Acenaphthylene	68		60		40-140	13		50
Anthracene	76		70		40-140	8		50
Benzo(ghi)perylene	79		73		40-140	8		50
Fluorene	74		65		40-140	13		50
Phenanthrene	75		70		40-140	7		50
Dibenzo(a,h)anthracene	79		72		40-140	9		50
Indeno(1,2,3-cd)Pyrene	82		75		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG674365-2 WG674365-3								
Pyrene	76		71		35-142	7		50
Biphenyl	74		65			13		50
4-Chloroaniline	56		49		40-140	13		50
2-Nitroaniline	72		64		47-134	12		50
3-Nitroaniline	27		26		26-129	4		50
4-Nitroaniline	56		57		41-125	2		50
Dibenzofuran	74		67		40-140	10		50
2-Methylnaphthalene	68		58		40-140	16		50
1,2,4,5-Tetrachlorobenzene	72		64		40-117	12		50
Acetophenone	57		50		14-144	13		50
2,4,6-Trichlorophenol	72		63		30-130	13		50
P-Chloro-M-Cresol	65		60		26-103	8		50
2-Chlorophenol	55		48		25-102	14		50
2,4-Dichlorophenol	64		57		30-130	12		50
2,4-Dimethylphenol	58		51		30-130	13		50
2-Nitrophenol	55		47		30-130	16		50
4-Nitrophenol	46		43		11-114	7		50
2,4-Dinitrophenol	52		45		4-130	14		50
4,6-Dinitro-o-cresol	69		64		10-130	8		50
Pentachlorophenol	70		66		17-109	6		50
Phenol	52		44		26-90	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG674365-2 WG674365-3								
2-Methylphenol	54		46		30-130.	16		50
3-Methylphenol/4-Methylphenol	53		46		30-130	14		50
2,4,5-Trichlorophenol	73		68		30-130	7		50
Benzoic Acid	10		6			50		50
Benzyl Alcohol	50		44		40-140	13		50
Carbazole	75		72		54-128	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		43		25-120
Phenol-d6	50		44		10-120
Nitrobenzene-d5	50		44		23-120
2-Fluorobiphenyl	69		62		30-120
2,4,6-Tribromophenol	90		83		0-136
4-Terphenyl-d14	76		73		18-120

PCBS

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-01	Date Collected:	03/07/14 14:00
Client ID:	EB06_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/11/14 10:30	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.33	1	A
Aroclor 1232	ND		ug/kg	36.2	4.24	1	A
Aroclor 1242	ND		ug/kg	36.2	4.42	1	A
Aroclor 1248	ND		ug/kg	36.2	3.05	1	A
Aroclor 1254	ND		ug/kg	36.2	2.97	1	A
Aroclor 1260	ND		ug/kg	36.2	2.76	1	A
Aroclor 1262	ND		ug/kg	36.2	1.79	1	A
Aroclor 1268	ND		ug/kg	36.2	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-02	Date Collected:	03/07/14 14:10
Client ID:	EB06_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 17:49	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.55	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	ND		ug/kg	37.2	2.83	1	A
Aroclor 1262	ND		ug/kg	37.2	1.84	1	A
Aroclor 1268	ND		ug/kg	37.2	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-03	Date Collected:	03/07/14 14:20
Client ID:	EB06_7.5-9	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 18:01	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	80%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.13	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-04	Date Collected:	03/07/14 11:50
Client ID:	EB05_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 18:13	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.06	1	A
Aroclor 1221	ND		ug/kg	38.7	3.57	1	A
Aroclor 1232	ND		ug/kg	38.7	4.54	1	A
Aroclor 1242	ND		ug/kg	38.7	4.74	1	A
Aroclor 1248	ND		ug/kg	38.7	3.27	1	A
Aroclor 1254	ND		ug/kg	38.7	3.18	1	A
Aroclor 1260	10.2	J	ug/kg	38.7	2.95	1	A
Aroclor 1262	ND		ug/kg	38.7	1.92	1	A
Aroclor 1268	ND		ug/kg	38.7	5.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-05	Date Collected:	03/07/14 12:05
Client ID:	EB05_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 18:25	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	2.89	1	A
Aroclor 1221	ND		ug/kg	36.6	3.38	1	A
Aroclor 1232	ND		ug/kg	36.6	4.29	1	A
Aroclor 1242	ND		ug/kg	36.6	4.48	1	A
Aroclor 1248	ND		ug/kg	36.6	3.09	1	A
Aroclor 1254	ND		ug/kg	36.6	3.01	1	A
Aroclor 1260	ND		ug/kg	36.6	2.79	1	A
Aroclor 1262	ND		ug/kg	36.6	1.82	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-06	Date Collected:	03/07/14 12:20
Client ID:	EB05_12-13.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 18:38	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	80%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.23	1	A
Aroclor 1221	ND		ug/kg	40.9	3.77	1	A
Aroclor 1232	ND		ug/kg	40.9	4.79	1	A
Aroclor 1242	ND		ug/kg	40.9	5.00	1	A
Aroclor 1248	ND		ug/kg	40.9	3.45	1	A
Aroclor 1254	ND		ug/kg	40.9	3.36	1	A
Aroclor 1260	ND		ug/kg	40.9	3.12	1	A
Aroclor 1262	ND		ug/kg	40.9	2.03	1	A
Aroclor 1268	ND		ug/kg	40.9	5.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-07	Date Collected:	03/07/14 00:00
Client ID:	DUP01_030714	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 18:50	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	2.74	1	A
Aroclor 1221	ND		ug/kg	34.7	3.20	1	A
Aroclor 1232	ND		ug/kg	34.7	4.07	1	A
Aroclor 1242	ND		ug/kg	34.7	4.25	1	A
Aroclor 1248	ND		ug/kg	34.7	2.93	1	A
Aroclor 1254	ND		ug/kg	34.7	2.86	1	A
Aroclor 1260	ND		ug/kg	34.7	2.65	1	A
Aroclor 1262	ND		ug/kg	34.7	1.72	1	A
Aroclor 1268	ND		ug/kg	34.7	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-08	Date Collected:	03/07/14 09:20
Client ID:	EB01_1-3	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 19:02	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-09	Date Collected:	03/07/14 09:40
Client ID:	EB01_10-12	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 19:15	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.45	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.58	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.85	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-10	Date Collected:	03/07/14 09:45
Client ID:	EB01_15-17	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 19:27	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	63%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.7	4.01	1	A
Aroclor 1221	ND		ug/kg	50.7	4.68	1	A
Aroclor 1232	ND		ug/kg	50.7	5.94	1	A
Aroclor 1242	ND		ug/kg	50.7	6.21	1	A
Aroclor 1248	ND		ug/kg	50.7	4.28	1	A
Aroclor 1254	ND		ug/kg	50.7	4.17	1	A
Aroclor 1260	ND		ug/kg	50.7	3.86	1	A
Aroclor 1262	ND		ug/kg	50.7	2.52	1	A
Aroclor 1268	ND		ug/kg	50.7	7.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-11	Date Collected:	03/07/14 13:30
Client ID:	EB02_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 19:39	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.04	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.16	1	A
Aroclor 1260	18.1	J	ug/kg	38.4	2.93	1	A
Aroclor 1262	ND		ug/kg	38.4	1.91	1	A
Aroclor 1268	ND		ug/kg	38.4	5.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-12	Date Collected:	03/07/14 13:55
Client ID:	EB02_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 19:52	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	3.26	1	A
Aroclor 1221	ND		ug/kg	41.2	3.80	1	A
Aroclor 1232	ND		ug/kg	41.2	4.83	1	A
Aroclor 1242	ND		ug/kg	41.2	5.05	1	A
Aroclor 1248	ND		ug/kg	41.2	3.48	1	A
Aroclor 1254	ND		ug/kg	41.2	3.39	1	A
Aroclor 1260	ND		ug/kg	41.2	3.14	1	A
Aroclor 1262	ND		ug/kg	41.2	2.04	1	A
Aroclor 1268	ND		ug/kg	41.2	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-13	Date Collected:	03/07/14 14:35
Client ID:	EB02_13-15	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 20:04	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	41%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	79.2	6.26	1	A
Aroclor 1221	ND		ug/kg	79.2	7.30	1	A
Aroclor 1232	ND		ug/kg	79.2	9.28	1	A
Aroclor 1242	ND		ug/kg	79.2	9.69	1	A
Aroclor 1248	ND		ug/kg	79.2	6.68	1	A
Aroclor 1254	ND		ug/kg	79.2	6.51	1	A
Aroclor 1260	ND		ug/kg	79.2	6.03	1	A
Aroclor 1262	ND		ug/kg	79.2	3.93	1	A
Aroclor 1268	ND		ug/kg	79.2	11.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 20:16	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.47	1	A
Aroclor 1232	ND		ug/kg	37.6	4.41	1	A
Aroclor 1242	ND		ug/kg	37.6	4.61	1	A
Aroclor 1248	ND		ug/kg	37.6	3.18	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.87	1	A
Aroclor 1262	ND		ug/kg	37.6	1.87	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-15	Date Collected:	03/07/14 09:50
Client ID:	EB04_9-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 20:29	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.55	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	ND		ug/kg	37.2	2.83	1	A
Aroclor 1262	ND		ug/kg	37.2	1.84	1	A
Aroclor 1268	ND		ug/kg	37.2	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-16	Date Collected:	03/07/14 11:15
Client ID:	EB03_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 20:41	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	72%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.2	3.57	1	A
Aroclor 1221	ND		ug/kg	45.2	4.17	1	A
Aroclor 1232	ND		ug/kg	45.2	5.30	1	A
Aroclor 1242	ND		ug/kg	45.2	5.53	1	A
Aroclor 1248	ND		ug/kg	45.2	3.82	1	A
Aroclor 1254	ND		ug/kg	45.2	3.72	1	A
Aroclor 1260	ND		ug/kg	45.2	3.44	1	A
Aroclor 1262	ND		ug/kg	45.2	2.24	1	A
Aroclor 1268	ND		ug/kg	45.2	6.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-17	Date Collected:	03/07/14 11:50
Client ID:	EB03_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/09/14 09:21
Analytical Date:	03/10/14 20:53	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/10/14
Percent Solids:	70%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.8	3.62	1	A
Aroclor 1221	ND		ug/kg	45.8	4.22	1	A
Aroclor 1232	ND		ug/kg	45.8	5.37	1	A
Aroclor 1242	ND		ug/kg	45.8	5.60	1	A
Aroclor 1248	ND		ug/kg	45.8	3.86	1	A
Aroclor 1254	ND		ug/kg	45.8	3.76	1	A
Aroclor 1260	ND		ug/kg	45.8	3.49	1	A
Aroclor 1262	ND		ug/kg	45.8	2.27	1	A
Aroclor 1268	ND		ug/kg	45.8	6.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/10/14 21:06
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/09/14 09:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/10/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-17 Batch: WG674412-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.03	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.70	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.77	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG674412-2 WG674412-3									
Aroclor 1016	67		67		40-140	0		50	A
Aroclor 1260	61		62		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		62		30-150	A
Decachlorobiphenyl	59		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		69		30-150	B
Decachlorobiphenyl	65		61		30-150	B

PESTICIDES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-01	Date Collected:	03/07/14 14:00
Client ID:	EB06_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 07:29	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.880	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.24	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.3	5.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-01	Date Collected:	03/07/14 14:00
Client ID:	EB06_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/11/14 18:36	Methylation Date:	03/11/14 04:27
Analyst:	SS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	99		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-02	Date Collected:	03/07/14 14:10
Client ID:	EB06_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 07:42	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.345	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.925	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	ND		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.611	1	A
Chlordane	ND		ug/kg	15.0	6.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-02	Date Collected:	03/07/14 14:10
Client ID:	EB06_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/11/14 18:56	Methylation Date:	03/11/14 04:27
Analyst:	SS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	119		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-03	Date Collected:	03/07/14 14:20
Client ID:	EB06_7.5-9	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 07:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Endrin ketone	ND		ug/kg	1.93	0.497	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.673	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-03	Date Collected:	03/07/14 14:20
Client ID:	EB06_7.5-9	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/11/14 19:16	Methylation Date:	03/11/14 04:27
Analyst:	SS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	206	25.0	1	A
2,4,5-T	ND		ug/kg	206	12.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	206	11.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	103		30-150	B

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-04	Date Collected:	03/07/14 11:50
Client ID:	EB05_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 08:09	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.91	0.374	1	A
Lindane	ND		ug/kg	0.796	0.356	1	A
Alpha-BHC	ND		ug/kg	0.796	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.724	1	A
Heptachlor	ND		ug/kg	0.955	0.428	1	A
Aldrin	ND		ug/kg	1.91	0.672	1	A
Heptachlor epoxide	ND		ug/kg	3.58	1.07	1	A
Endrin	ND		ug/kg	0.796	0.326	1	A
Endrin ketone	ND		ug/kg	1.91	0.492	1	A
Dieldrin	ND		ug/kg	1.19	0.597	1	A
4,4'-DDE	ND		ug/kg	1.91	0.442	1	A
4,4'-DDD	ND		ug/kg	1.91	0.681	1	A
4,4'-DDT	ND		ug/kg	3.58	1.54	1	A
Endosulfan I	ND		ug/kg	1.91	0.451	1	A
Endosulfan II	ND		ug/kg	1.91	0.638	1	A
Endosulfan sulfate	ND		ug/kg	0.796	0.379	1	A
Methoxychlor	ND		ug/kg	3.58	1.11	1	A
Toxaphene	ND		ug/kg	35.8	10.0	1	A
cis-Chlordane	ND		ug/kg	2.39	0.665	1	A
trans-Chlordane	ND		ug/kg	2.39	0.630	1	A
Chlordane	ND		ug/kg	15.5	6.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-04	Date Collected:	03/07/14 11:50
Client ID:	EB05_0-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 05:32	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.8	1	A
2,4,5-T	ND		ug/kg	195	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	118		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-05	Date Collected:	03/07/14 12:05
Client ID:	EB05_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 08:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.712	0.318	1	A
Alpha-BHC	ND		ug/kg	0.712	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.855	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.962	1	A
Endrin	ND		ug/kg	0.712	0.292	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.571	1	A
Endosulfan sulfate	ND		ug/kg	0.712	0.339	1	A
Methoxychlor	ND		ug/kg	3.20	0.997	1	A
Toxaphene	ND		ug/kg	32.0	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	13.9	5.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-05	Date Collected:	03/07/14 12:05
Client ID:	EB05_5-6.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 05:52	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.8	1	A
2,4,5-T	ND		ug/kg	179	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	117		30-150	B

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-06	Date Collected:	03/07/14 12:20
Client ID:	EB05_12-13.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 08:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.389	1	A
Lindane	ND		ug/kg	0.828	0.370	1	A
Alpha-BHC	ND		ug/kg	0.828	0.235	1	A
Beta-BHC	ND		ug/kg	1.99	0.754	1	A
Heptachlor	ND		ug/kg	0.994	0.446	1	A
Aldrin	ND		ug/kg	1.99	0.700	1	A
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.828	0.340	1	A
Endrin ketone	ND		ug/kg	1.99	0.512	1	A
Dieldrin	ND		ug/kg	1.24	0.621	1	A
4,4'-DDE	ND		ug/kg	1.99	0.460	1	A
4,4'-DDD	ND		ug/kg	1.99	0.709	1	A
4,4'-DDT	ND		ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.470	1	A
Endosulfan II	ND		ug/kg	1.99	0.664	1	A
Endosulfan sulfate	ND		ug/kg	0.828	0.394	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.692	1	A
trans-Chlordane	ND		ug/kg	2.48	0.656	1	A
Chlordane	ND		ug/kg	16.2	6.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-06	Date Collected:	03/07/14 12:20
Client ID:	EB05_12-13.5	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 06:12	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	24.5	1	A
2,4,5-T	ND		ug/kg	201	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	97		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-07	Date Collected:	03/07/14 00:00
Client ID:	DUP01_030714	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 08:48	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-07	Date Collected:	03/07/14 00:00
Client ID:	DUP01_030714	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 06:32	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	21.4	1	A
2,4,5-T	ND		ug/kg	176	11.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	9.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	114		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-08	Date Collected:	03/07/14 09:20
Client ID:	EB01_1-3	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 09:02	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-08	Date Collected:	03/07/14 09:20
Client ID:	EB01_1-3	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 06:52	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	113		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-09	Date Collected:	03/07/14 09:40
Client ID:	EB01_10-12	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 09:15	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin ketone	ND		ug/kg	1.81	0.465	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-09	Date Collected:	03/07/14 09:40
Client ID:	EB01_10-12	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 07:12	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	122		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-10	Date Collected:	03/07/14 09:45
Client ID:	EB01_15-17	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 09:28	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	63%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.54	0.498	1	A
Lindane	ND		ug/kg	1.06	0.473	1	A
Alpha-BHC	ND		ug/kg	1.06	0.301	1	A
Beta-BHC	ND		ug/kg	2.54	0.964	1	A
Heptachlor	ND		ug/kg	1.27	0.570	1	A
Aldrin	ND		ug/kg	2.54	0.895	1	A
Heptachlor epoxide	ND		ug/kg	4.76	1.43	1	A
Endrin	ND		ug/kg	1.06	0.434	1	A
Endrin ketone	ND		ug/kg	2.54	0.654	1	A
Dieldrin	ND		ug/kg	1.59	0.794	1	A
4,4'-DDE	ND		ug/kg	2.54	0.588	1	A
4,4'-DDD	ND		ug/kg	2.54	0.906	1	A
4,4'-DDT	ND		ug/kg	4.76	2.04	1	A
Endosulfan I	ND		ug/kg	2.54	0.600	1	A
Endosulfan II	ND		ug/kg	2.54	0.849	1	A
Endosulfan sulfate	ND		ug/kg	1.06	0.504	1	A
Methoxychlor	ND		ug/kg	4.76	1.48	1	A
Toxaphene	ND		ug/kg	47.6	13.3	1	A
cis-Chlordane	ND		ug/kg	3.18	0.885	1	A
trans-Chlordane	ND		ug/kg	3.18	0.839	1	A
Chlordane	ND		ug/kg	20.6	8.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**792**	Q	30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-10	Date Collected:	03/07/14 09:45
Client ID:	EB01_15-17	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 07:32	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	63%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	264	32.2	1	A
2,4,5-T	ND		ug/kg	264	16.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	264	14.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	102		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-11	Date Collected:	03/07/14 13:30
Client ID:	EB02_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 09:41	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.363	1	A
Lindane	ND		ug/kg	0.773	0.346	1	A
Alpha-BHC	ND		ug/kg	0.773	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.653	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.773	0.317	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.580	1	A
4,4'-DDE	ND		ug/kg	1.86	0.429	1	A
4,4'-DDD	ND		ug/kg	1.86	0.662	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.438	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.773	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.74	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.1	6.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-11	Date Collected:	03/07/14 13:30
Client ID:	EB02_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 07:52	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	199	24.2	1	A
2,4,5-T	ND		ug/kg	199	12.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	199	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	104		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-12	Date Collected:	03/07/14 13:55
Client ID:	EB02_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:17
Analytical Date:	03/12/14 08:12	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	25.6	1	A
2,4,5-T	ND		ug/kg	210	13.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	135		30-150	B

Project Name: 27-21 44TH DRIVE **Lab Number:** L1404886

Project Number: 170281401 **Report Date:** 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-12 D	Date Collected:	03/07/14 13:55
Client ID:	EB02_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:25
Analytical Date:	03/13/14 12:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.3	3.79	10	A
Lindane	ND		ug/kg	8.06	3.60	10	A
Alpha-BHC	ND		ug/kg	8.06	2.29	10	A
Beta-BHC	ND		ug/kg	19.3	7.33	10	A
Heptachlor	ND		ug/kg	9.67	4.34	10	A
Aldrin	ND		ug/kg	19.3	6.81	10	A
Heptachlor epoxide	ND		ug/kg	36.3	10.9	10	A
Endrin	ND		ug/kg	8.06	3.30	10	A
Endrin ketone	ND		ug/kg	19.3	4.98	10	A
Dieldrin	ND		ug/kg	12.1	6.04	10	A
4,4'-DDE	ND		ug/kg	19.3	4.47	10	A
4,4'-DDD	ND		ug/kg	19.3	6.90	10	A
4,4'-DDT	ND		ug/kg	36.3	15.6	10	A
Endosulfan I	ND		ug/kg	19.3	4.57	10	A
Endosulfan II	ND		ug/kg	19.3	6.46	10	A
Endosulfan sulfate	ND		ug/kg	8.06	3.84	10	A
Methoxychlor	ND		ug/kg	36.3	11.3	10	A
Toxaphene	ND		ug/kg	363	102.	10	A
cis-Chlordane	ND		ug/kg	24.2	6.74	10	A
trans-Chlordane	ND		ug/kg	24.2	6.38	10	A
Chlordane	ND		ug/kg	157	64.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**579**	Q	30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-13	Date Collected:	03/07/14 14:35
Client ID:	EB02_13-15	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:26
Analytical Date:	03/13/14 10:08	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	41%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	3.93	0.770	1	A
Lindane	ND		ug/kg	1.64	0.732	1	A
Alpha-BHC	ND		ug/kg	1.64	0.465	1	A
Beta-BHC	ND		ug/kg	3.93	1.49	1	A
Heptachlor	ND		ug/kg	1.96	0.881	1	A
Aldrin	ND		ug/kg	3.93	1.38	1	A
Heptachlor epoxide	ND		ug/kg	7.37	2.21	1	A
Endrin	ND		ug/kg	1.64	0.671	1	A
Endrin ketone	ND		ug/kg	3.93	1.01	1	A
Dieldrin	ND		ug/kg	2.46	1.23	1	A
4,4'-DDE	ND		ug/kg	3.93	0.909	1	A
4,4'-DDD	ND		ug/kg	3.93	1.40	1	A
4,4'-DDT	ND		ug/kg	7.37	3.16	1	A
Endosulfan I	ND		ug/kg	3.93	0.928	1	A
Endosulfan II	ND		ug/kg	3.93	1.31	1	A
Endosulfan sulfate	ND		ug/kg	1.64	0.779	1	A
Methoxychlor	ND		ug/kg	7.37	2.29	1	A
Toxaphene	ND		ug/kg	73.7	20.6	1	A
cis-Chlordane	ND		ug/kg	4.91	1.37	1	A
trans-Chlordane	ND		ug/kg	4.91	1.30	1	A
Chlordane	ND		ug/kg	31.9	13.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-13	Date Collected:	03/07/14 14:35
Client ID:	EB02_13-15	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:18
Analytical Date:	03/12/14 08:32	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	41%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	410	49.8	1	A
2,4,5-T	ND		ug/kg	410	25.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	410	22.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	101		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:18
Analytical Date:	03/12/14 08:53	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.0	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	128		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-14 D	Date Collected:	03/07/14 09:30
Client ID:	EB04_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:26
Analytical Date:	03/13/14 12:18	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.5	3.62	10	A
Lindane	ND		ug/kg	7.71	3.45	10	A
Alpha-BHC	ND		ug/kg	7.71	2.19	10	A
Beta-BHC	ND		ug/kg	18.5	7.02	10	A
Heptachlor	ND		ug/kg	9.26	4.15	10	A
Aldrin	ND		ug/kg	18.5	6.52	10	A
Heptachlor epoxide	ND		ug/kg	34.7	10.4	10	A
Endrin	ND		ug/kg	7.71	3.16	10	A
Endrin ketone	ND		ug/kg	18.5	4.77	10	A
Dieldrin	ND		ug/kg	11.6	5.78	10	A
4,4'-DDE	ND		ug/kg	18.5	4.28	10	A
4,4'-DDD	ND		ug/kg	18.5	6.60	10	A
4,4'-DDT	ND		ug/kg	34.7	14.9	10	A
Endosulfan I	ND		ug/kg	18.5	4.37	10	A
Endosulfan II	ND		ug/kg	18.5	6.19	10	A
Endosulfan sulfate	ND		ug/kg	7.71	3.67	10	A
Methoxychlor	ND		ug/kg	34.7	10.8	10	A
Toxaphene	ND		ug/kg	347	97.2	10	A
cis-Chlordane	ND		ug/kg	23.1	6.45	10	A
trans-Chlordane	ND		ug/kg	23.1	6.11	10	A
Chlordane	ND		ug/kg	150	61.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-15	Date Collected:	03/07/14 09:50
Client ID:	EB04_9-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:26
Analytical Date:	03/13/14 11:01	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.767	0.343	1	A
Alpha-BHC	ND		ug/kg	0.767	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.920	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.648	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.767	0.314	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.575	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.615	1	A
Endosulfan sulfate	ND		ug/kg	0.767	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.66	1	A
cis-Chlordane	ND		ug/kg	2.30	0.641	1	A
trans-Chlordane	ND		ug/kg	2.30	0.607	1	A
Chlordane	ND		ug/kg	14.9	6.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-15	Date Collected:	03/07/14 09:50
Client ID:	EB04_9-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:18
Analytical Date:	03/12/14 09:13	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	23.2	1	A
2,4,5-T	ND		ug/kg	191	11.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	118		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-16	Date Collected:	03/07/14 11:15
Client ID:	EB03_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:18
Analytical Date:	03/12/14 09:33	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	226	27.4	1	A
2,4,5-T	ND		ug/kg	226	14.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	226	12.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	120		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-16 D	Date Collected:	03/07/14 11:15
Client ID:	EB03_0.5-2	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:26
Analytical Date:	03/13/14 12:31	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	22.0	4.31	10	A
Lindane	ND		ug/kg	9.18	4.10	10	A
Alpha-BHC	ND		ug/kg	9.18	2.61	10	A
Beta-BHC	ND		ug/kg	22.0	8.35	10	A
Heptachlor	ND		ug/kg	11.0	4.94	10	A
Aldrin	ND		ug/kg	22.0	7.76	10	A
Heptachlor epoxide	ND		ug/kg	41.3	12.4	10	A
Endrin	ND		ug/kg	9.18	3.76	10	A
Endrin ketone	ND		ug/kg	22.0	5.67	10	A
Dieldrin	ND		ug/kg	13.8	6.88	10	A
4,4'-DDE	ND		ug/kg	22.0	5.09	10	A
4,4'-DDD	ND		ug/kg	22.0	7.86	10	A
4,4'-DDT	ND		ug/kg	41.3	17.7	10	A
Endosulfan I	ND		ug/kg	22.0	5.20	10	A
Endosulfan II	ND		ug/kg	22.0	7.36	10	A
Endosulfan sulfate	ND		ug/kg	9.18	4.37	10	A
Methoxychlor	ND		ug/kg	41.3	12.8	10	A
Toxaphene	ND		ug/kg	413	116.	10	A
cis-Chlordane	ND		ug/kg	27.5	7.67	10	A
trans-Chlordane	ND		ug/kg	27.5	7.27	10	A
Chlordane	ND		ug/kg	179	73.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-17	Date Collected:	03/07/14 11:50
Client ID:	EB03_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/08/14 07:18
Analytical Date:	03/12/14 09:53	Methylation Date:	03/11/14 04:25
Analyst:	SS		
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	233	28.3	1	A
2,4,5-T	ND		ug/kg	233	14.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	233	12.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	123		30-150	A
DCAA	136		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID:	L1404886-17 D	Date Collected:	03/07/14 11:50
Client ID:	EB03_8-10	Date Received:	03/07/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/11/14 00:26
Analytical Date:	03/13/14 12:44	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/13/14
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	22.6	4.44	10	A
Lindane	ND		ug/kg	9.44	4.22	10	A
Alpha-BHC	ND		ug/kg	9.44	2.68	10	A
Beta-BHC	ND		ug/kg	22.6	8.59	10	A
Heptachlor	ND		ug/kg	11.3	5.08	10	A
Aldrin	ND		ug/kg	22.6	7.98	10	A
Heptachlor epoxide	ND		ug/kg	42.5	12.7	10	A
Endrin	ND		ug/kg	9.44	3.87	10	A
Endrin ketone	ND		ug/kg	22.6	5.83	10	A
Dieldrin	ND		ug/kg	14.2	7.08	10	A
4,4'-DDE	ND		ug/kg	22.6	5.24	10	A
4,4'-DDD	ND		ug/kg	22.6	8.08	10	A
4,4'-DDT	ND		ug/kg	42.5	18.2	10	A
Endosulfan I	ND		ug/kg	22.6	5.35	10	A
Endosulfan II	ND		ug/kg	22.6	7.57	10	A
Endosulfan sulfate	ND		ug/kg	9.44	4.49	10	A
Methoxychlor	ND		ug/kg	42.5	13.2	10	A
Toxaphene	ND		ug/kg	425	119.	10	A
cis-Chlordane	ND		ug/kg	28.3	7.89	10	A
trans-Chlordane	ND		ug/kg	28.3	7.48	10	A
Chlordane	ND		ug/kg	184	75.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**2140**	Q	30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/11/14 17:36
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 03/08/14 07:17

Methylation Date: 03/11/14 04:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-17 Batch: WG674351-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	64		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/13/14 07:16
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 03/11/14 00:25
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-17 Batch: WG674647-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.891	A
Endrin	ND		ug/kg	0.660	0.271	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.990	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.924	A
Toxaphene	ND		ug/kg	29.7	8.32	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	12.9	5.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG674351-2 WG674351-3									
2,4-D	114		118		30-150	3		30	A
2,4,5-T	92		98		30-150	6		30	A
2,4,5-TP (Silvex)	87		92		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	78		78		30-150	A
DCAA	109		92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG674647-2 WG674647-3									
Delta-BHC	75		62		30-150	19		30	A
Lindane	76		63		30-150	19		30	A
Alpha-BHC	79		66		30-150	18		30	A
Beta-BHC	74		62		30-150	18		30	A
Heptachlor	83		70		30-150	17		30	A
Aldrin	85		71		30-150	18		30	A
Heptachlor epoxide	86		71		30-150	19		30	A
Endrin	95		81		30-150	16		30	A
Endrin ketone	90		74		30-150	20		30	A
Dieldrin	92		76		30-150	19		30	A
4,4'-DDE	88		74		30-150	17		30	A
4,4'-DDD	86		71		30-150	19		30	A
4,4'-DDT	96		80		30-150	18		30	A
Endosulfan I	87		74		30-150	16		30	A
Endosulfan II	90		75		30-150	18		30	A
Endosulfan sulfate	93		77		30-150	19		30	A
Methoxychlor	95		77		30-150	21		30	A
cis-Chlordane	90		72		30-150	22		30	A
trans-Chlordane	83		70		30-150	17		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG674647-2 WG674647-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		68		30-150	A
Decachlorobiphenyl	98		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		62		30-150	B
Decachlorobiphenyl	122		108		30-150	B

METALS

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01
Client ID: EB06_0-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 03/07/14 14:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	8.3	1.7	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Antimony, Total	0.69	J	mg/kg	4.2	0.67	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Arsenic, Total	3.2		mg/kg	0.83	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Barium, Total	42		mg/kg	0.83	0.25	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Beryllium, Total	0.25	J	mg/kg	0.42	0.08	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Cadmium, Total	0.69	J	mg/kg	0.83	0.06	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Calcium, Total	7000		mg/kg	8.3	2.5	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Chromium, Total	19		mg/kg	0.83	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Cobalt, Total	4.8		mg/kg	1.7	0.42	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Copper, Total	26		mg/kg	0.83	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Iron, Total	12000		mg/kg	4.2	1.7	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Lead, Total	85		mg/kg	4.2	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Magnesium, Total	3500		mg/kg	8.3	0.83	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Manganese, Total	190		mg/kg	0.83	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Mercury, Total	0.05	J	mg/kg	0.07	0.02	1	03/12/14 09:18	03/12/14 12:18	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.1	0.33	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Potassium, Total	840		mg/kg	210	33.	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Selenium, Total	0.29	J	mg/kg	1.7	0.25	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Silver, Total	0.32	J	mg/kg	0.83	0.17	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Sodium, Total	190		mg/kg	170	25.	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.33	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Vanadium, Total	19		mg/kg	0.83	0.08	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC
Zinc, Total	65		mg/kg	4.2	0.58	2	03/12/14 16:12	03/13/14 20:32	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02
Client ID: EB06_5-6.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/07/14 14:10
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.1	1.8	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.6	0.73	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Arsenic, Total	2.3		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Barium, Total	56		mg/kg	0.91	0.27	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Beryllium, Total	0.30	J	mg/kg	0.46	0.09	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.91	0.06	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Calcium, Total	1100		mg/kg	9.1	2.7	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Chromium, Total	19		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Cobalt, Total	6.3		mg/kg	1.8	0.46	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Copper, Total	16		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Iron, Total	14000		mg/kg	4.6	1.8	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Lead, Total	3.4	J	mg/kg	4.6	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Magnesium, Total	2600		mg/kg	9.1	0.91	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Manganese, Total	420		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/12/14 09:18	03/12/14 12:20	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.3	0.36	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Potassium, Total	1400		mg/kg	230	36.	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Sodium, Total	91	J	mg/kg	180	27.	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Vanadium, Total	22		mg/kg	0.91	0.09	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC
Zinc, Total	32		mg/kg	4.6	0.64	2	03/12/14 16:12	03/13/14 21:06	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03
Client ID: EB06_7.5-9
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 03/07/14 14:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.8	2.0	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.9	0.78	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Arsenic, Total	2.7		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Barium, Total	44		mg/kg	0.98	0.29	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Beryllium, Total	0.22	J	mg/kg	0.49	0.10	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.98	0.07	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Calcium, Total	1700		mg/kg	9.8	2.9	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Chromium, Total	15		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Cobalt, Total	8.2		mg/kg	2.0	0.49	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Copper, Total	26		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Iron, Total	15000		mg/kg	4.9	2.0	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Lead, Total	4.5	J	mg/kg	4.9	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Magnesium, Total	2400		mg/kg	9.8	0.98	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Manganese, Total	310		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/12/14 09:18	03/12/14 12:22	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.4	0.39	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Potassium, Total	1300		mg/kg	240	39.	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Selenium, Total	0.29	J	mg/kg	2.0	0.29	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Silver, Total	0.33	J	mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Sodium, Total	120	J	mg/kg	200	29.	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.0	0.39	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Vanadium, Total	22		mg/kg	0.98	0.10	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC
Zinc, Total	31		mg/kg	4.9	0.68	2	03/12/14 16:12	03/13/14 21:09	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04
Client ID: EB05_0-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 83%

Date Collected: 03/07/14 11:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	9.1	1.8	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.6	0.73	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Arsenic, Total	3.7		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Barium, Total	42		mg/kg	0.91	0.27	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Beryllium, Total	0.42	J	mg/kg	0.46	0.09	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.91	0.06	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Calcium, Total	1300		mg/kg	9.1	2.7	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Chromium, Total	22		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Cobalt, Total	6.8		mg/kg	1.8	0.46	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Copper, Total	12		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Iron, Total	17000		mg/kg	4.6	1.8	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Lead, Total	17		mg/kg	4.6	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Magnesium, Total	2700		mg/kg	9.1	0.91	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Manganese, Total	350		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:24	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.3	0.36	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Potassium, Total	780		mg/kg	230	36.	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.91	0.18	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Sodium, Total	50	J	mg/kg	180	27.	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Vanadium, Total	25		mg/kg	0.91	0.09	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC
Zinc, Total	33		mg/kg	4.6	0.64	2	03/12/14 16:12	03/13/14 21:13	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05
Client ID: EB05_5-6.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 03/07/14 12:05
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1800		mg/kg	8.8	1.8	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.4	0.70	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Arsenic, Total	0.94		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Barium, Total	11		mg/kg	0.88	0.26	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Beryllium, Total	0.19	J	mg/kg	0.44	0.09	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.88	0.06	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Calcium, Total	1000		mg/kg	8.8	2.6	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Chromium, Total	5.1		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Cobalt, Total	3.6		mg/kg	1.8	0.44	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Copper, Total	8.6		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Iron, Total	5600		mg/kg	4.4	1.8	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Lead, Total	1.6	J	mg/kg	4.4	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Magnesium, Total	1200		mg/kg	8.8	0.88	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Manganese, Total	120		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:25	EPA 7471B	1,7471B	MC
Nickel, Total	5.0		mg/kg	2.2	0.35	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Potassium, Total	350		mg/kg	220	35.	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.26	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Silver, Total	0.23	J	mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Sodium, Total	57	J	mg/kg	180	26.	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Vanadium, Total	6.5		mg/kg	0.88	0.09	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC
Zinc, Total	14		mg/kg	4.4	0.62	2	03/12/14 16:12	03/13/14 21:17	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06
Client ID: EB05_12-13.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 03/07/14 12:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	9.9	2.0	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.9	0.79	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Arsenic, Total	3.0		mg/kg	0.99	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Barium, Total	46		mg/kg	0.99	0.30	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Beryllium, Total	0.23	J	mg/kg	0.49	0.10	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.99	0.07	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Calcium, Total	1900		mg/kg	9.9	3.0	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Chromium, Total	16		mg/kg	0.99	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Cobalt, Total	6.4		mg/kg	2.0	0.49	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Copper, Total	19		mg/kg	0.99	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Iron, Total	15000		mg/kg	4.9	2.0	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Lead, Total	3.3	J	mg/kg	4.9	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Magnesium, Total	3000		mg/kg	9.9	0.99	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Manganese, Total	340		mg/kg	0.99	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/12/14 09:18	03/12/14 12:27	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.5	0.39	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Potassium, Total	1600		mg/kg	250	39.	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	2.0	0.30	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.99	0.20	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Sodium, Total	110	J	mg/kg	200	30.	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.0	0.39	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Vanadium, Total	23		mg/kg	0.99	0.10	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC
Zinc, Total	33		mg/kg	4.9	0.69	2	03/12/14 16:12	03/13/14 21:21	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07
Client ID: DUP01_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/07/14 00:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	8.6	1.7	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.3	0.69	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Arsenic, Total	1.2		mg/kg	0.86	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Barium, Total	24		mg/kg	0.86	0.26	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Beryllium, Total	0.14	J	mg/kg	0.43	0.09	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.86	0.06	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Calcium, Total	990		mg/kg	8.6	2.6	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Chromium, Total	10		mg/kg	0.86	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Cobalt, Total	3.5		mg/kg	1.7	0.43	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Copper, Total	11		mg/kg	0.86	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Iron, Total	8600		mg/kg	4.3	1.7	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Lead, Total	2.0	J	mg/kg	4.3	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Magnesium, Total	1600		mg/kg	8.6	0.86	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Manganese, Total	180		mg/kg	0.86	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:29	EPA 7471B	1,7471B	MC
Nickel, Total	7.2		mg/kg	2.2	0.34	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Potassium, Total	870		mg/kg	220	34.	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.26	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Silver, Total	0.21	J	mg/kg	0.86	0.17	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Sodium, Total	52	J	mg/kg	170	26.	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Vanadium, Total	12		mg/kg	0.86	0.09	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC
Zinc, Total	20		mg/kg	4.3	0.60	2	03/12/14 16:12	03/13/14 21:25	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08
Client ID: EB01_1-3
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/07/14 09:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	8.9	1.8	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.4	0.71	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Arsenic, Total	2.2		mg/kg	0.89	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Barium, Total	40		mg/kg	0.89	0.27	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Beryllium, Total	0.23	J	mg/kg	0.44	0.09	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.89	0.06	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Calcium, Total	2800		mg/kg	8.9	2.7	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Chromium, Total	12		mg/kg	0.89	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Cobalt, Total	4.6		mg/kg	1.8	0.44	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Copper, Total	13		mg/kg	0.89	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Iron, Total	11000		mg/kg	4.4	1.8	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Lead, Total	27		mg/kg	4.4	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Magnesium, Total	2400		mg/kg	8.9	0.89	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Manganese, Total	250		mg/kg	0.89	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Mercury, Total	0.10		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:31	EPA 7471B	1,7471B	MC
Nickel, Total	9.3		mg/kg	2.2	0.35	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Potassium, Total	960		mg/kg	220	35.	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Selenium, Total	0.27	J	mg/kg	1.8	0.27	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Silver, Total	0.18	J	mg/kg	0.89	0.18	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Sodium, Total	230		mg/kg	180	27.	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Vanadium, Total	19		mg/kg	0.89	0.09	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC
Zinc, Total	31		mg/kg	4.4	0.62	2	03/12/14 16:12	03/13/14 21:44	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09
Client ID: EB01_10-12
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 03/07/14 09:40
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4100		mg/kg	8.8	1.8	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Antimony, Total	1.3	J	mg/kg	4.4	0.70	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Arsenic, Total	6.4		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Barium, Total	81		mg/kg	0.88	0.26	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Beryllium, Total	0.25	J	mg/kg	0.44	0.09	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Cadmium, Total	0.32	J	mg/kg	0.88	0.06	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Calcium, Total	3800		mg/kg	8.8	2.6	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Chromium, Total	11		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Cobalt, Total	4.4		mg/kg	1.8	0.44	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Copper, Total	54		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Iron, Total	12000		mg/kg	4.4	1.8	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Lead, Total	260		mg/kg	4.4	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Magnesium, Total	1500		mg/kg	8.8	0.88	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Manganese, Total	180		mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Mercury, Total	0.79		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:33	EPA 7471B	1,7471B	MC
Nickel, Total	9.6		mg/kg	2.2	0.35	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Potassium, Total	530		mg/kg	220	35.	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Selenium, Total	0.33	J	mg/kg	1.8	0.26	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Silver, Total	0.22	J	mg/kg	0.88	0.18	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Sodium, Total	370		mg/kg	180	26.	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Vanadium, Total	15		mg/kg	0.88	0.09	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC
Zinc, Total	190		mg/kg	4.4	0.62	2	03/12/14 16:12	03/13/14 21:48	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10
Client ID: EB01_15-17
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 63%

Date Collected: 03/07/14 09:45
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	12	2.5	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Antimony, Total	7.6		mg/kg	6.2	0.98	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Arsenic, Total	8.2		mg/kg	1.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Barium, Total	96		mg/kg	1.2	0.37	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Beryllium, Total	0.41	J	mg/kg	0.62	0.12	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Cadmium, Total	1.0	J	mg/kg	1.2	0.09	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Calcium, Total	5200		mg/kg	12	3.7	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Chromium, Total	12		mg/kg	1.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Cobalt, Total	5.5		mg/kg	2.5	0.62	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Copper, Total	140		mg/kg	1.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Iron, Total	14000		mg/kg	6.2	2.5	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Lead, Total	1100		mg/kg	6.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Magnesium, Total	860		mg/kg	12	1.2	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Manganese, Total	120		mg/kg	1.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Mercury, Total	0.63		mg/kg	0.12	0.03	1	03/12/14 09:18	03/12/14 12:38	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	3.1	0.49	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Potassium, Total	590		mg/kg	310	49.	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Selenium, Total	1.1	J	mg/kg	2.5	0.37	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Silver, Total	0.64	J	mg/kg	1.2	0.25	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Sodium, Total	820		mg/kg	250	37.	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.5	0.49	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Vanadium, Total	22		mg/kg	1.2	0.12	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC
Zinc, Total	350		mg/kg	6.2	0.86	2	03/12/14 16:12	03/13/14 21:51	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11
Client ID: EB02_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 03/07/14 13:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	9.2	1.8	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Arsenic, Total	25		mg/kg	0.92	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Barium, Total	320		mg/kg	0.92	0.28	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Beryllium, Total	0.18	J	mg/kg	0.46	0.09	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Cadmium, Total	1.0		mg/kg	0.92	0.07	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Calcium, Total	14000		mg/kg	9.2	2.8	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Chromium, Total	11		mg/kg	0.92	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Cobalt, Total	3.2		mg/kg	1.8	0.46	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Copper, Total	68		mg/kg	0.92	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Iron, Total	17000		mg/kg	4.6	1.8	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Lead, Total	670		mg/kg	4.6	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Magnesium, Total	1400		mg/kg	9.2	0.92	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Manganese, Total	140		mg/kg	0.92	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Mercury, Total	0.44		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:40	EPA 7471B	1,7471B	MC
Nickel, Total	7.6		mg/kg	2.3	0.37	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Potassium, Total	530		mg/kg	230	37.	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Selenium, Total	4.3		mg/kg	1.8	0.28	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Silver, Total	15		mg/kg	0.92	0.18	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Sodium, Total	230		mg/kg	180	28.	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.37	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Vanadium, Total	16		mg/kg	0.92	0.09	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC
Zinc, Total	270		mg/kg	4.6	0.65	2	03/12/14 16:12	03/13/14 21:55	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12
Client ID: EB02_8-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 78%

Date Collected: 03/07/14 13:55
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	9.8	2.0	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Antimony, Total	1.2	J	mg/kg	4.9	0.79	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Arsenic, Total	4.2		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Barium, Total	180		mg/kg	0.98	0.30	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Beryllium, Total	0.20	J	mg/kg	0.49	0.10	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Cadmium, Total	0.44	J	mg/kg	0.98	0.07	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Calcium, Total	3600		mg/kg	9.8	3.0	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Chromium, Total	21		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Cobalt, Total	4.6		mg/kg	2.0	0.49	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Copper, Total	56		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Iron, Total	12000		mg/kg	4.9	2.0	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Lead, Total	980		mg/kg	4.9	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Magnesium, Total	2000		mg/kg	9.8	0.98	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Manganese, Total	190		mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Mercury, Total	0.25		mg/kg	0.09	0.02	1	03/12/14 09:18	03/12/14 12:41	EPA 7471B	1,7471B	MC
Nickel, Total	9.3		mg/kg	2.4	0.39	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Potassium, Total	790		mg/kg	240	39.	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Selenium, Total	0.69	J	mg/kg	2.0	0.30	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Silver, Total	0.44	J	mg/kg	0.98	0.20	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Sodium, Total	190	J	mg/kg	200	30.	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.0	0.39	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Vanadium, Total	18		mg/kg	0.98	0.10	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC
Zinc, Total	450		mg/kg	4.9	0.69	2	03/12/14 16:12	03/13/14 21:59	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13
Client ID: EB02_13-15
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 41%

Date Collected: 03/07/14 14:35
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	15000		mg/kg	19	3.8	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	9.4	1.5	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Arsenic, Total	5.0		mg/kg	1.9	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Barium, Total	21		mg/kg	1.9	0.57	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Beryllium, Total	0.76	J	mg/kg	0.94	0.19	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	1.9	0.13	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Calcium, Total	3400		mg/kg	19	5.7	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Chromium, Total	23		mg/kg	1.9	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Cobalt, Total	5.9		mg/kg	3.8	0.94	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Copper, Total	6.2		mg/kg	1.9	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Iron, Total	18000		mg/kg	9.4	3.8	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Lead, Total	7.1	J	mg/kg	9.4	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Magnesium, Total	5700		mg/kg	19	1.9	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Manganese, Total	140		mg/kg	1.9	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.18	0.04	1	03/12/14 09:18	03/12/14 12:43	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	4.7	0.76	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Potassium, Total	2300		mg/kg	470	76.	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Selenium, Total	0.74	J	mg/kg	3.8	0.57	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	1.9	0.38	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Sodium, Total	1000		mg/kg	380	57.	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	3.8	0.76	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Vanadium, Total	32		mg/kg	1.9	0.19	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC
Zinc, Total	44		mg/kg	9.4	1.3	2	03/12/14 16:12	03/13/14 22:03	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14
Client ID: EB04_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 03/07/14 09:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	8.7	1.7	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Antimony, Total	0.89	J	mg/kg	4.4	0.70	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Arsenic, Total	9.0		mg/kg	0.87	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Barium, Total	82		mg/kg	0.87	0.26	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Beryllium, Total	0.18	J	mg/kg	0.44	0.09	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Cadmium, Total	0.77	J	mg/kg	0.87	0.06	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Calcium, Total	3200		mg/kg	8.7	2.6	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Chromium, Total	20		mg/kg	0.87	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Cobalt, Total	5.2		mg/kg	1.7	0.44	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Copper, Total	53		mg/kg	0.87	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Iron, Total	26000		mg/kg	4.4	1.7	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Lead, Total	250		mg/kg	4.4	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Magnesium, Total	1800		mg/kg	8.7	0.87	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Manganese, Total	330		mg/kg	0.87	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Mercury, Total	0.52		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:45	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.35	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Potassium, Total	680		mg/kg	220	35.	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Selenium, Total	0.38	J	mg/kg	1.7	0.26	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Silver, Total	0.40	J	mg/kg	0.87	0.17	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Sodium, Total	300		mg/kg	170	26.	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.35	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Vanadium, Total	23		mg/kg	0.87	0.09	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC
Zinc, Total	450		mg/kg	4.4	0.61	2	03/12/14 16:12	03/13/14 22:06	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15
Client ID: EB04_9-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 03/07/14 09:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	9.0	1.8	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.5	0.72	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Arsenic, Total	3.0		mg/kg	0.90	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Barium, Total	21		mg/kg	0.90	0.27	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Beryllium, Total	0.30	J	mg/kg	0.45	0.09	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.90	0.06	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Calcium, Total	1000		mg/kg	9.0	2.7	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Chromium, Total	25		mg/kg	0.90	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Cobalt, Total	5.4		mg/kg	1.8	0.45	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Copper, Total	14		mg/kg	0.90	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Iron, Total	17000		mg/kg	4.5	1.8	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Lead, Total	6.2		mg/kg	4.5	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Magnesium, Total	2600		mg/kg	9.0	0.90	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Manganese, Total	140		mg/kg	0.90	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/12/14 09:18	03/12/14 12:47	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.36	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Potassium, Total	850		mg/kg	220	36.	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Selenium, Total	0.30	J	mg/kg	1.8	0.27	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Silver, Total	0.23	J	mg/kg	0.90	0.18	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Sodium, Total	210		mg/kg	180	27.	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Vanadium, Total	28		mg/kg	0.90	0.09	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC
Zinc, Total	26		mg/kg	4.5	0.63	2	03/12/14 16:12	03/13/14 22:10	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16
Client ID: EB03_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 72%

Date Collected: 03/07/14 11:15
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	11	2.1	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Antimony, Total	2.7	J	mg/kg	5.4	0.86	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Arsenic, Total	32		mg/kg	1.1	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Barium, Total	1100		mg/kg	1.1	0.32	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Beryllium, Total	0.31	J	mg/kg	0.54	0.11	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Cadmium, Total	0.65	J	mg/kg	1.1	0.08	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Calcium, Total	7100		mg/kg	11	3.2	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Chromium, Total	27		mg/kg	1.1	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Cobalt, Total	7.6		mg/kg	2.1	0.54	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Copper, Total	230		mg/kg	1.1	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Iron, Total	40000		mg/kg	5.4	2.1	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Lead, Total	1800		mg/kg	5.4	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Magnesium, Total	2300		mg/kg	11	1.1	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Manganese, Total	280		mg/kg	1.1	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Mercury, Total	0.92		mg/kg	0.10	0.02	1	03/12/14 09:18	03/12/14 12:48	EPA 7471B	1,7471B	MC
Nickel, Total	38		mg/kg	2.7	0.43	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Potassium, Total	560		mg/kg	270	43.	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Selenium, Total	1.2	J	mg/kg	2.1	0.32	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Silver, Total	0.81	J	mg/kg	1.1	0.21	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Sodium, Total	400		mg/kg	210	32.	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.1	0.43	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Vanadium, Total	52		mg/kg	1.1	0.11	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC
Zinc, Total	630		mg/kg	5.4	0.75	2	03/12/14 16:12	03/13/14 22:30	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Lab Number: L1404886
Project Number: 170281401
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17
Client ID: EB03_8-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Percent Solids: 70%

Date Collected: 03/07/14 11:50
Date Received: 03/07/14
Field Prep: Not Specified

Total Metals - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	3000		mg/kg	11	2.2	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	5.4	0.87	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Arsenic, Total	16		mg/kg	1.1	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Barium, Total	64		mg/kg	1.1	0.33	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Beryllium, Total	0.24	J	mg/kg	0.54	0.11	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Cadmium, Total	0.08	J	mg/kg	1.1	0.08	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Calcium, Total	13000		mg/kg	11	3.3	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Chromium, Total	8.8		mg/kg	1.1	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Cobalt, Total	11		mg/kg	2.2	0.54	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Copper, Total	76		mg/kg	1.1	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Iron, Total	66000		mg/kg	5.4	2.2	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Lead, Total	120		mg/kg	5.4	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Magnesium, Total	700		mg/kg	11	1.1	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Manganese, Total	170		mg/kg	1.1	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Mercury, Total	0.62		mg/kg	0.10	0.02	1	03/12/14 09:18	03/12/14 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.7	0.44	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Potassium, Total	310		mg/kg	270	44.	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Selenium, Total	7.0		mg/kg	2.2	0.33	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Silver, Total	0.74	J	mg/kg	1.1	0.22	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Sodium, Total	200	J	mg/kg	220	33.	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	2.2	0.44	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Vanadium, Total	9.4		mg/kg	1.1	0.11	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC
Zinc, Total	110		mg/kg	5.4	0.76	2	03/12/14 16:12	03/13/14 22:34	EPA 3050B	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-17 Batch: WG674820-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/12/14 09:18	03/12/14 12:04	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-17 Batch: WG675080-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Iron, Total	3.0		mg/kg	2.0	0.80	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Silver, Total	0.11	J	mg/kg	0.40	0.08	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Sodium, Total	ND		mg/kg	80	12.	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/12/14 16:12	03/13/14 20:58	1,6010C	BC

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 Batch: WG674820-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 Batch: WG675080-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	104	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	95	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	105	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	91	-	80-120	-	
Silver, Total	101	-	66-134	-	
Sodium, Total	103	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 Batch: WG675080-2 SRM Lot Number: 0518-10-02					
Zinc, Total	100	-	82-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG674820-4 QC Sample: L1404810-02 Client ID: MS Sample												
Mercury, Total	0.20	0.242	0.34	**58**	Q	-	-		80-120	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG675080-4 QC Sample: L1404886-01 Client ID: EB06_0-2										
Aluminum, Total	6600	170	6800	118		-	-	75-125	-	35
Antimony, Total	0.69J	42.5	38	89		-	-	75-125	-	35
Arsenic, Total	3.2	10.2	13	96		-	-	75-125	-	35
Barium, Total	42.	170	210	99		-	-	75-125	-	35
Beryllium, Total	0.25J	4.25	4.4	104		-	-	75-125	-	35
Cadmium, Total	0.69J	4.34	4.6	106		-	-	75-125	-	35
Calcium, Total	7000	850	8200	**141**	Q	-	-	75-125	-	35
Chromium, Total	19.	17	33	82		-	-	75-125	-	35
Cobalt, Total	4.8	42.5	44	92		-	-	75-125	-	35
Copper, Total	26.	21.2	55	**136**	Q	-	-	75-125	-	35
Iron, Total	12000	85	12000	**0**	Q	-	-	75-125	-	35
Lead, Total	85.	43.4	130	104		-	-	75-125	-	35
Magnesium, Total	3500	850	4000	**59**	Q	-	-	75-125	-	35
Manganese, Total	190	42.5	240	118		-	-	75-125	-	35
Nickel, Total	13.	42.5	51	89		-	-	75-125	-	35
Potassium, Total	840	850	1700	101		-	-	75-125	-	35
Selenium, Total	0.29J	10.2	9.2	90		-	-	75-125	-	35
Silver, Total	0.32J	25.5	24	94		-	-	75-125	-	35
Sodium, Total	190	850	1000	95		-	-	75-125	-	35
Thallium, Total	ND	10.2	8.2	80		-	-	75-125	-	35
Vanadium, Total	19.	42.5	63	104		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG675080-4 QC Sample: L1404886-01 Client ID: EB06_0-2									
Zinc, Total	65.	42.5	110	106	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG674820-3 QC Sample: L1404810-02 Client ID: DUP Sample						
Mercury, Total	0.20	0.09J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG675080-3 QC Sample: L1404886-01 Client ID: EB06_0-2						
Aluminum, Total	6600	7000	mg/kg	6		35
Antimony, Total	0.69J	1.2J	mg/kg	NC		35
Arsenic, Total	3.2	3.5	mg/kg	9		35
Barium, Total	42.	50	mg/kg	17		35
Beryllium, Total	0.25J	0.26J	mg/kg	NC		35
Cadmium, Total	0.69J	0.84	mg/kg	NC		35
Calcium, Total	7000	6600	mg/kg	6		35
Chromium, Total	19.	19	mg/kg	0		35
Cobalt, Total	4.8	5.2	mg/kg	8		35
Copper, Total	26.	38	mg/kg	**38**	Q	35
Iron, Total	12000	14000	mg/kg	15		35
Lead, Total	85.	97	mg/kg	13		35
Magnesium, Total	3500	2800	mg/kg	22		35
Manganese, Total	190	210	mg/kg	10		35
Nickel, Total	13.	20	mg/kg	**42**	Q	35
Potassium, Total	840	900	mg/kg	7		35
Selenium, Total	0.29J	0.64J	mg/kg	NC		35
Silver, Total	0.32J	0.23J	mg/kg	NC		35
Sodium, Total	190	210	mg/kg	10		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG675080-3 QC Sample: L1404886-01 Client ID: EB06_0-2					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	19.	21	mg/kg	10	35
Zinc, Total	65.	83	mg/kg	24	35

INORGANICS
&
MISCELLANEOUS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-01
Client ID: EB06_0-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 14:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.89	0.89	1	-	03/14/14 10:22	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/10/14 23:00	03/11/14 14:22	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	03/10/14 13:00	03/11/14 13:38	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-02
Client ID: EB06_5-6.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 14:10
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.95	0.95	1	-	03/14/14 10:22	107,-	JO
Solids, Total	84.5		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/10/14 23:00	03/11/14 14:22	1,9010C/9012B	JO
Chromium, Hexavalent	0.21	J	mg/kg	0.95	0.19	1	03/10/14 13:00	03/11/14 13:39	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-03
Client ID: EB06_7.5-9
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 14:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	1.0	1.0	1	-	03/14/14 10:22	107,-	JO
Solids, Total	79.8		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	03/10/14 23:00	03/11/14 14:23	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	03/10/14 13:00	03/11/14 13:39	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-04
Client ID: EB05_0-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 11:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.96	0.96	1	-	03/14/14 10:22	107,-	JO
Solids, Total	83.2		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	03/10/14 23:00	03/11/14 14:24	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	03/10/14 13:00	03/11/14 13:40	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-05
Client ID: EB05_5-6.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 12:05
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	5.1		mg/kg	0.89	0.89	1	-	03/14/14 10:22	107,-	JO
Solids, Total	90.1		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/10/14 23:00	03/11/14 14:25	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	03/10/14 13:00	03/11/14 13:40	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-06
Client ID: EB05_12-13.5
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 12:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	1.0	1.0	1	-	03/14/14 10:22	107,-	JO
Solids, Total	79.8		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	03/10/14 23:00	03/11/14 14:25	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	03/10/14 13:00	03/11/14 13:41	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-07
Client ID: DUP01_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 00:00
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.87	0.87	1	-	03/14/14 10:22	107,-	JO
Solids, Total	91.8		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	03/10/14 23:00	03/11/14 14:26	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/10/14 13:00	03/11/14 13:42	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-08
Client ID: EB01_1-3
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 09:20
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.92	0.92	1	-	03/14/14 10:22	107,-	JO
Solids, Total	86.7		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/10/14 23:00	03/11/14 14:27	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	03/10/14 13:00	03/11/14 13:42	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-09
Client ID: EB01_10-12
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 09:40
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.93	0.93	1	-	03/14/14 10:22	107,-	JO
Solids, Total	85.6		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/11/14 13:15	03/11/14 18:31	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.93	0.19	1	03/10/14 13:00	03/11/14 13:43	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-10
Client ID: EB01_15-17
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 09:45
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	1.3	1.3	1	-	03/14/14 10:22	107,-	JO
Solids, Total	62.7		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.5	0.36	1	03/11/14 13:15	03/11/14 18:31	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.3	0.26	1	03/10/14 13:00	03/11/14 13:47	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-11
Client ID: EB02_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 13:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.96	0.96	1	-	03/14/14 10:22	107,-	JO
Solids, Total	83.6		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	03/11/14 13:15	03/11/14 18:32	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	03/10/14 13:00	03/11/14 13:47	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-12
Client ID: EB02_8-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 13:55
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	21		mg/kg	1.0	1.0	1	-	03/14/14 10:22	107,-	JO
Solids, Total	77.8		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	03/13/14 08:30	03/13/14 12:47	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	03/10/14 13:00	03/11/14 13:47	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-13
Client ID: EB02_13-15
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 14:35
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	2.0	2.0	1	-	03/14/14 10:22	107,-	JO
Solids, Total	40.5		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	2.4	0.57	1	03/13/14 08:30	03/13/14 12:37	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	2.0	0.40	1	03/10/14 13:00	03/11/14 13:48	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-14
Client ID: EB04_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 09:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	20		mg/kg	0.93	0.93	1	-	03/14/14 10:22	107,-	JO
Solids, Total	85.8		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/13/14 08:30	03/13/14 12:38	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.93	0.19	1	03/10/14 13:00	03/11/14 13:48	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-15
Client ID: EB04_9-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 09:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	25		mg/kg	0.93	0.93	1	-	03/14/14 10:22	107,-	JO
Solids, Total	86.1		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/13/14 08:30	03/13/14 12:39	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.93	0.18	1	03/10/14 13:00	03/11/14 13:49	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-16
Client ID: EB03_0.5-2
Sample Location: QUEENS, NEW YORK
Matrix: Soil

Date Collected: 03/07/14 11:15
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	27		mg/kg	1.1	1.1	1	-	03/14/14 10:22	107,-	JO
Solids, Total	72.2		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	03/13/14 08:30	03/13/14 12:41	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.1	0.22	1	03/10/14 13:00	03/11/14 13:50	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

SAMPLE RESULTS

Lab ID: L1404886-17
Client ID: EB03_8-10
Sample Location: QUEENS, NEW YORK
Matrix: Soil
Date Collected: 03/07/14 11:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.8		mg/kg	1.1	1.1	1	-	03/14/14 10:22	107,-	JO
Solids, Total	70.3		%	0.100	NA	1	-	03/10/14 20:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	03/13/14 08:30	03/13/14 12:42	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.1	0.23	1	03/10/14 13:00	03/11/14 13:50	1,7196A	JT

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1404886
Report Date: 03/14/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG674432-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/10/14 13:00	03/11/14 13:34	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 10-17 Batch: WG674433-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/10/14 13:00	03/11/14 13:34	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG674504-1										
Cyanide, Total	ND		mg/kg	0.92	0.22	1	03/10/14 23:00	03/11/14 14:14	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 09-11 Batch: WG674784-1										
Cyanide, Total	0.24	J	mg/kg	0.91	0.21	1	03/11/14 13:15	03/11/14 18:35	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 12-17 Batch: WG675030-1										
Cyanide, Total	ND		mg/kg	0.96	0.22	1	03/13/14 08:30	03/13/14 12:33	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1404886

Report Date: 03/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG674432-2								
Chromium, Hexavalent	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 Batch: WG674433-2								
Chromium, Hexavalent	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG674504-2 WG674504-3								
Cyanide, Total	93		101		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 Batch: WG674784-2 WG674784-3								
Cyanide, Total	99		111		80-120	12		35
General Chemistry - Westborough Lab Associated sample(s): 12-17 Batch: WG675030-2 WG675030-3								
Cyanide, Total	88		100		80-120	13		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG674432-5 QC Sample: L1404886-01 Client ID: EB06_0-2												
Chromium, Hexavalent	ND	1410	1300	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 QC Batch ID: WG674433-5 QC Sample: L1404886-15 Client ID: EB04_9-10												
Chromium, Hexavalent	ND	1540	960	**62**	Q	-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG674504-4 WG674504-5 QC Sample: L1404886-08 Client ID: EB01_1-3												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG674784-4 WG674784-5 QC Sample: L1404886-11 Client ID: EB02_0.5-2												
Cyanide, Total	ND	12	12	100		12	110		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 12-17 QC Batch ID: WG675030-4 WG675030-5 QC Sample: L1405074-17 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		10	92		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG674432-4 QC Sample: L1404886-01 Client ID: EB06_0-2						
Chromium, Hexavalent	ND	0.39J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 QC Batch ID: WG674433-4 QC Sample: L1404886-15 Client ID: EB04_9-10						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG674626-1 QC Sample: L1404886-01 Client ID: EB06_0-2						
Solids, Total	90.2	95.7	%	6		20

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/08/2014 00:44

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-01A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-01B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-01C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-01D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-01E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-01F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-01X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-01Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-01Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-02A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-02B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-02C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-02D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-02E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-02F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-02X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-02Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-02Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-03A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-03B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-03C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-03D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-03E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-03F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-03X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-03Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-03Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-04A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-04B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-04C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-04D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-04E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-04F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-04X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-04Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-04Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-05A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-05B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-05C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-05D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-05E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-05F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-05X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-05Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-05Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-06A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-06B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-06C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-06D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-06E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-06F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-06X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-06Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-06Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-07A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-07B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-07C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-07D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

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Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-07E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-07F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-07X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-07Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-07Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-08A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-08B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-08C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-08D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-08E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-08F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-08X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-08Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-08Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-09A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-09B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-09C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-09D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-09E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-09F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-09X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-09Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-09Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-10A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-10B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-10C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1404886-10D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1404886-10E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-10F	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-10X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-10Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-10Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1404886-11A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-11B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-11C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-11E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-11F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-11X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-11Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-11Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-12A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-12B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-12C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-12D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)
L1404886-12E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-12F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-12X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-12Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-12Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-13A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-13B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-13C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-13D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)
L1404886-13E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-13F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-13X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-13Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-13Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-14A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-14B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-14C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-14D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)
L1404886-14E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-14F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-14X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-14Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-14Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-15A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-15B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-15C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-15D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-15E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-15F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-15X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-15Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-15Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-16A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-16B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-16C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-16D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)
L1404886-16E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-16F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-16X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-16Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-16Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-17A	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-17B	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-17C	5 gram Encore Sampler	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404886-17D	Plastic 2oz unpreserved for TS	B	N/A	2.2	Y	Absent	TS(7)
L1404886-17E	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-17F	Amber 250ml unpreserved	B	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404886-17X	Vial MeOH preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404886-17Y	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1404886
Report Date: 03/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404886-17Z	Vial Water preserved split	B	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1404886-09E

L1404886-10F

L1404886-11F

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1404886
Project Number:	170281401	**Report Date:**	03/14/14

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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

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

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

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1404886
Project Number:	170281401	**Report Date:**	03/14/14

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1404886
Project Number:	170281401	**Report Date:**	03/14/14

REFERENCES

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

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

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

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

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

Last revised December 11, 2013

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4. Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
33 PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
4-Chloroaniline, 4-Methylphenol.
4: Soil: Total Phosphorus, TKN, NO2, NO3.
9 Total Petroleum Hydrocarbons, Oil & Grease.

Biphenyl.
Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Drinking Water
: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; : Ba,Be,Ca,Cd,Cr,Cu,Na; **4**. Mercury;
3: Nitrate-N, Fluoride, Sulfate; **3**: Nitrate-N, Nitrite-N; **3**: Nitrate-N, Nitrite-N; **4**
4 **3** **4** **3**
33: Perchlorate.
: **9** **9** **3** **9** **3** .

Non-Potable Water
: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
4 **4** **34** **3** **4** **4**
4 **4** **3**, **3**: Ammonia-N, : Ammonia-N, **4** **3**
3: Nitrate-N **4** **3** **3** **4** **4** **4**
4 **4** **4**.
4: Volatile Halocarbons & Aromatics,
: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
: SVOC (Acid/Base/Neutral Extractables), **4**: PCB-Oil.
: **9** **3** **9**.

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

CHAIN OF CUSTODY

PAGE 1 OF 2

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

Date Rec'd in Lab: 3/7/14

ALPHA Job #: L1404886

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street
Manhattan, New York
Phone: 212.479.5400
Fax: 212.479.5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, New York
Project #: 170281401
Project Manager: Joe Good
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 3/14/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: 6 NYCRR Part 375 Full List

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	Part 375 Metals	Part 375 PCBs	Part 375 Pesticides	Sample Specific Comments	TOTAL # BOTTLES
04886-01	EB06_0-2	3/7/14	1400	S	SH	X	X	X	X	X		
02	EB06_5-6.5	3/7/14	1410	S	SH							
03	EB06_7.5-9	3/7/14	1420	S	SH							
04	EB05_0-2	3/7/14	1150	S	SH							
05	EB05_5-6.5	3/7/14	1205	S	SH							
06	EB05_12-13.5	3/7/14	12:20	S	SH							
07	DUP01_030714	3/7/14	—	S	SH							
08	EB01_1-3	3/7/14	09:20	S	SH							
09	EB01_10-12	3/7/14	0940	S	SH							
10	EB01_15-17	3/7/14	0945	S	SH	✓	✓	✓	✓	✓		

SAMPLE HANDLING

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

Container Type																					
Preservative																					

Relinquished By:	Date/Time	Received By:	Date/Time
Dave Franz	3/7/14 1652	Dave Franz	3/7/14 1652
Dave Franz 3/7/14 1930		Abdul Mehdy	3/7/14 1930
Abdul Mehdy	3/7/14 2330	Allen McLeod	3/7/14 2330

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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 3/7/14

ALPHA Job #: L1404884

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

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street
New York, New York
Phone: 212.479.5400
Fax: 212.479.5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, New York
Project #: 170281401
Project Manager: Joe Good
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 3/14/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: 6NYCRR Part 375 Full List

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	Part 375 Metals	Part 375 PCBs	Part 375 Pesticides	Sample Specific Comments	TOTAL # BOTTLES
04896-11	EB02_0.5-2	3/7/14	1330	S	PF	X	X	X	X	X		6
12	EB02_8-10		1355	S	PF							6
13	EB02_13-15		1435	S	PF							6
14	EB04_0.5-2		0930	S	PF							6
15	EB04_9-10		0950	S	PF							6
16	EB03_0.5-2		1115	S	PF							6
17	EB03_8-10		1150	S	PF							6

SAMPLE HANDLING

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

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	3/7/14 16:55		
	3/7/14 18:37		3/7/14 18:37
	3/7/14 2330		9/7/14 2330

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

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

ANALYTICAL REPORT

Lab Number:	L1405059
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	03/17/14

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405059-01	SV10_030714	QUEENS, NEW YORK	03/07/14 12:32
L1405059-02	AA01_030714	QUEENS, NEW YORK	03/07/14 16:00
L1405059-03	SV09_030714	QUEENS, NEW YORK	03/07/14 16:05
L1405059-04	SV07_030714	QUEENS, NEW YORK	03/07/14 17:12
L1405059-05	SV11_030714	QUEENS, NEW YORK	03/07/14 18:22
L1405059-06	SV05_030714	QUEENS, NEW YORK	03/07/14 17:45
L1405059-07	SV06_030714	QUEENS, NEW YORK	03/07/14 18:47
L1405059-08	SV08B_030714	QUEENS, NEW YORK	03/07/14 18:40

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405059
Project Number: 170281401 **Report Date:** 03/17/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 6 and 7, 2014. The canister certification results are provided as an addendum.

The WG675627-3 LCS recovery for Vinyl Acetate (142%) is above the upper 130% acceptance limit. The response for this compound was elevated however it was not detected in any of the associated samples therefore no further action was taken.

The sample designated SV10_030714 (L1405059-01) had a RPD for the pre- and post-flow controller calibration check (38% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 36.2 mL/minute; the final flow rate was 53 mL/minute. The final pressure recorded by the laboratory of the associated canister was 0.5 inches of mercury.

The sample designated SV07_030714 (L1405059-04) had a RPD for the pre- and post-flow controller calibration check (58% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 36.5 mL/minute; the final flow rate was 20 mL/minute. The final pressure recorded by the laboratory of the associated canister was 1.2 inches of mercury.

The sample designated SV05_030714 (L1405059-06) had a RPD for the pre- and post-flow controller calibration check (22% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 37.6 mL/minute; the final flow rate was 47 mL/minute. The final pressure recorded by the laboratory of the associated canister was -0.5 inches of mercury.

The sample designated SV08B_030714 (L1405059-08) had a RPD for the pre- and post-flow controller calibration check (43% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 35 mL/minute; the final flow rate was 54 mL/minute. The final pressure recorded by the laboratory of the associated canister was 0.8 inches of mercury.

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405059
Project Number: 170281401 **Report Date:** 03/17/14

Case Narrative (continued)

Sample L1405059-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Sample L1405059-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1405059-04 and -08 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Sample L1405059-04 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

Sample L L1405059-08 The presence of Isopropyl Alcohol could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/17/14

AIR

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-01 D
Client ID: SV10_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 20:48
Analyst: RY

Date Collected: 03/07/14 12:32
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	1.01	0.667	--	2.09	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	2.93	0.667	--	7.49	1.71	--		3.333
1,3-Butadiene	12.0	0.667	--	26.5	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	20.2	8.33	--	38.1	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	49.6	3.33	--	118	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	3.22	1.67	--	7.92	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	5.42	0.667	--	16.9	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	6.66	0.667	--	19.6	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-01 D
Client ID: SV10_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 12:32
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	1.45	0.667	--	4.28	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	8.34	0.667	--	29.4	2.35	--		3.333
1,1,1-Trichloroethane	2.19	0.667	--	11.9	3.64	--		3.333
Benzene	69.8	0.667	--	223	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	7.09	0.667	--	24.4	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	10.2	0.667	--	54.8	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	21.0	0.667	--	86.1	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	6.61	0.667	--	27.1	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	253	0.667	--	953	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	96.2	0.667	--	652	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	5.76	0.667	--	25.0	2.90	--		3.333
p/m-Xylene	17.0	1.33	--	73.8	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	2.24	0.667	--	9.54	2.84	--		3.333

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-01 D
Client ID: SV10_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 12:32
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	11.3	0.667	--	49.1	2.90	--		3.333
4-Ethyltoluene	4.65	0.667	--	22.9	3.28	--		3.333
1,3,5-Trimethylbenzene	7.64	0.667	--	37.6	3.28	--		3.333
1,2,4-Trimethylbenzene	8.64	0.667	--	42.5	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	119		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-02
Client ID: AA01_030714
Sample Location: QUEENS, NEW YORK
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 20:17
Analyst: RY

Date Collected: 03/07/14 16:00
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.278	0.200	--	1.37	0.989	--		1
Chloromethane	0.545	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	3.81	2.50	--	7.18	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.46	1.00	--	15.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.655	0.500	--	1.61	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-02
Client ID: AA01_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 16:00
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.332	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.25	0.200	--	4.71	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.626	0.200	--	4.25	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-02
Client ID: AA01_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 16:00
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-03
Client ID: SV09_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 21:20
Analyst: RY

Date Collected: 03/07/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	2.16	0.200	--	4.78	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	3.32	2.50	--	6.26	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.6	1.00	--	27.6	2.38	--		1
Trichlorofluoromethane	0.292	0.200	--	1.64	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.84	0.200	--	5.73	0.623	--		1
Freon-113	0.270	0.200	--	2.07	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.311	0.200	--	1.26	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.79	0.200	--	8.23	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	0.851	0.500	--	3.07	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-03
Client ID: SV09_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.247	0.200	--	1.21	0.977	--		1
Tetrahydrofuran	0.337	0.200	--	0.994	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.536	0.200	--	1.89	0.705	--		1
1,1,1-Trichloroethane	46.8	0.200	--	255	1.09	--		1
Benzene	0.748	0.200	--	2.39	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.388	0.200	--	1.59	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.73	0.200	--	7.09	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.12	0.200	--	7.99	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.63	0.200	--	11.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.299	0.200	--	1.30	0.869	--		1
p/m-Xylene	0.965	0.400	--	4.19	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.544	0.200	--	2.32	0.852	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-03
Client ID: SV09_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.349	0.200	--	1.52	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.344	0.200	--	1.69	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	106		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	104		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-04 D
Client ID: SV07_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 21:52
Analyst: RY

Date Collected: 03/07/14 17:12
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	ND	10.0	--	ND	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	2.91	2.00	--	9.06	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	2.33	2.00	--	6.87	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-04 D
Client ID: SV07_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 17:12
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	2.21	2.00	--	10.8	9.77	--		10
Tetrahydrofuran	ND	2.00	--	ND	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	300	2.00	--	1060	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.53	2.00	--	8.08	6.39	--		10
Carbon tetrachloride	3.34	2.00	--	21.0	12.6	--		10
Cyclohexane	222	2.00	--	764	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	219	2.00	--	897	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	4.02	2.00	--	15.1	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	4.29	2.00	--	29.1	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-04 D
Client ID: SV07_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 17:12
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	104		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	115		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-05
Client ID: SV11_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 22:23
Analyst: RY

Date Collected: 03/07/14 18:22
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.267	0.200	--	1.32	0.989	--		1
Chloromethane	0.652	0.200	--	1.35	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	0.226	0.200	--	0.878	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.36	2.50	--	17.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.2	1.00	--	48.0	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.705	0.500	--	1.73	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	10.6	0.200	--	33.0	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.80	0.200	--	11.2	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-05
Client ID: SV11_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:22
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.510	0.200	--	2.49	0.977	--		1
Tetrahydrofuran	0.760	0.200	--	2.24	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	31.5	0.200	--	111	0.705	--		1
1,1,1-Trichloroethane	0.575	0.200	--	3.14	1.09	--		1
Benzene	0.541	0.200	--	1.73	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.24	0.200	--	4.27	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	59.1	0.200	--	242	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.471	0.200	--	1.93	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	37.1	0.200	--	140	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.64	0.200	--	11.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.303	0.200	--	1.32	0.869	--		1
p/m-Xylene	0.914	0.400	--	3.97	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-05
Client ID: SV11_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:22
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.293	0.200	--	1.27	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	102		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	107		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-06
Client ID: SV05_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 22:55
Analyst: RY

Date Collected: 03/07/14 17:45
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.247	0.200	--	1.22	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.5	2.50	--	29.2	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	51.3	1.00	--	122	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.55	0.500	--	3.81	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.64	0.500	--	4.97	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.530	0.200	--	1.65	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	13.5	0.200	--	39.8	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	1.19	0.500	--	4.29	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-06
Client ID: SV05_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 17:45
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.908	0.200	--	2.68	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.49	0.200	--	8.78	0.705	--		1
1,1,1-Trichloroethane	0.813	0.200	--	4.44	1.09	--		1
Benzene	0.732	0.200	--	2.34	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.587	0.200	--	2.02	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.09	0.200	--	8.57	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.26	0.200	--	5.16	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.95	0.200	--	18.7	0.754	--		1
2-Hexanone	1.62	0.200	--	6.64	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.264	0.200	--	1.15	0.869	--		1
p/m-Xylene	0.869	0.400	--	3.77	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.729	0.200	--	3.10	0.852	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-06
Client ID: SV05_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 17:45
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.329	0.200	--	1.43	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.394	0.200	--	1.94	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	103		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-07
Client ID: SV06_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/15/14 10:16
Analyst: RY

Date Collected: 03/07/14 18:47
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.233	0.200	--	1.15	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.356	0.200	--	0.788	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.5	2.50	--	27.3	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	35.1	1.00	--	83.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	2.54	0.500	--	6.24	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.24	0.500	--	3.76	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	7.69	0.200	--	23.9	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.52	0.200	--	10.4	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-07
Client ID: SV06_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:47
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.65	0.200	--	8.06	0.977	--		1
Tetrahydrofuran	0.615	0.200	--	1.81	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	69.2	0.200	--	244	0.705	--		1
1,1,1-Trichloroethane	0.442	0.200	--	2.41	1.09	--		1
Benzene	8.03	0.200	--	25.7	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.444	0.200	--	1.53	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	22.6	0.200	--	92.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.489	0.200	--	2.00	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.04	0.200	--	26.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.271	0.200	--	1.84	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.216	0.200	--	0.938	0.869	--		1
p/m-Xylene	0.744	0.400	--	3.23	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.830	0.200	--	3.53	0.852	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-07
Client ID: SV06_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:47
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.238	0.200	--	1.03	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	98		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-08 D
Client ID: SV08B_030714
Sample Location: QUEENS, NEW YORK
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/14/14 23:58
Analyst: RY

Date Collected: 03/07/14 18:40
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	ND	12.5	--	ND	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	25.1	5.00	--	59.6	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.94	1.00	--	6.04	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	3.26	1.00	--	9.61	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-08 D
Client ID: SV08B_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:40
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	10.5	1.00	--	51.3	4.88	--		5
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	1.32	1.00	--	5.41	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	4.78	1.00	--	18.0	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	2.14	1.00	--	14.5	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5
p/m-Xylene	2.17	2.00	--	9.43	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1405059-08 D
Client ID: SV08B_030714
Sample Location: QUEENS, NEW YORK
Date Collected: 03/07/14 18:40
Date Received: 03/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.02	1.00	--	4.43	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	104		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	102		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/14 15:43

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG675627-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/14 15:43

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG675627-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/14 15:43

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG675627-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG675627-3								
Chlorodifluoromethane	91		-		70-130	-		
Propylene	114		-		70-130	-		
Propane	76		-		70-130	-		
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	97		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	98		-		70-130	-		
Methanol	95		-		70-130	-		
Vinyl chloride	93		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Butane	97		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethyl Alcohol	95		-		70-130	-		
Dichlorofluoromethane	87		-		70-130	-		
Vinyl bromide	89		-		70-130	-		
Acrolein	91		-		70-130	-		
Acetone	94		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	88		-		70-130	-		
iso-Propyl Alcohol	90		-		70-130	-		
Acrylonitrile	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG675627-3								
Pentane	97		-		70-130	-		
Ethyl ether	87		-		70-130	-		
1,1-Dichloroethene	88		-		70-130	-		
tert-Butyl Alcohol	80		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	91		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	78		-		70-130	-		
Vinyl acetate	**142**	Q	-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		
Ethyl Acetate	101		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
2,2-Dichloropropane	81		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	110		-		70-130	-		
Isopropyl Ether	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG675627-3								
Ethyl-Tert-Butyl-Ether	92		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
1,1-Dichloropropene	99		-		70-130	-		
Benzene	103		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	108		-		70-130	-		
Tertiary-Amyl Methyl Ether	84		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	109		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Methyl methacrylate	88		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	104		-		70-130	-		
1,3-Dichloropropane	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG675627-3								
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	109		-		70-130	-		
Butyl Acetate	99		-		70-130	-		
Octane	102		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		
1,1,1,2-Tetrachloroethane	101		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	114		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,2,3-Trichloropropane	112		-		70-130	-		
Nonane (C9)	111		-		70-130	-		
Isopropylbenzene	108		-		70-130	-		
Bromobenzene	111		-		70-130	-		
o-Chlorotoluene	104		-		70-130	-		
n-Propylbenzene	105		-		70-130	-		
p-Chlorotoluene	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG675627-3								
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
tert-Butylbenzene	113		-		70-130	-		
1,2,4-Trimethylbenzene	119		-		70-130	-		
Decane (C10)	116		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	117		-		70-130	-		
1,4-Dichlorobenzene	118		-		70-130	-		
sec-Butylbenzene	114		-		70-130	-		
p-Isopropyltoluene	103		-		70-130	-		
1,2-Dichlorobenzene	117		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	105		-		70-130	-		
Undecane	122		-		70-130	-		
Dodecane (C12)	**134**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	123		-		70-130	-		
Naphthalene	117		-		70-130	-		
1,2,3-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG675627-5 QC Sample: L1404906-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.219	0.226	ppbV	3		25
Chloromethane	0.567	0.558	ppbV	2		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	594E	594E	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	52.8	52.5	ppbV	1		25
Trichlorofluoromethane	0.204	ND	ppbV	NC		25
iso-Propyl Alcohol	2.43	2.20	ppbV	10		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG675627-5 QC Sample: L1404906-02 Client ID: DUP Sample					
2-Butanone	0.235	0.295	ppbV	23	25
Ethyl Acetate	9.13	9.07	ppbV	1	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	0.267	0.281	ppbV	5	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.598	0.621	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG675627-5 QC Sample: L1404906-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	2.26	2.40	ppbV	6	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG675627-5 QC Sample: L1404906-02 Client ID: DUP Sample					
Ethyl Alcohol	591	610	ppbV	3	25

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405059

Report Date: 03/17/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1405059-01	SV10_030714	0283	#90 SV	03/06/14	99540		-	-	-	Pass	36.2	53	38
L1405059-01	SV10_030714	1851	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.4	0.5	-	-	-	-
L1405059-02	AA01_030714	0036	#90 AMB	03/06/14	99540		-	-	-	Pass	39.7	43	8
L1405059-02	AA01_030714	1644	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.7	-0.2	-	-	-	-
L1405059-03	SV09_030714	0372	#90 AMB	03/06/14	99540		-	-	-	Pass	39.5	48	19
L1405059-03	SV09_030714	1680	6.0L Can	03/07/14	99592	L1404382-01	Pass	-29.0	-0.5	-	-	-	-
L1405059-04	SV07_030714	0016	#90 SV	03/06/14	99540		-	-	-	Pass	36.5	20	58
L1405059-04	SV07_030714	739	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.7	1.2	-	-	-	-
L1405059-05	SV11_030714	0332	#30 SV	03/06/14	99540		-	-	-	Pass	40.0	45	12
L1405059-05	SV11_030714	808	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.7	-3.0	-	-	-	-
L1405059-06	SV05_030714	0318	#90 SV	03/06/14	99540		-	-	-	Pass	37.6	47	22
L1405059-06	SV05_030714	1638	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.7	-0.5	-	-	-	-
L1405059-07	SV06_030714	0169	#30 SV	03/06/14	99540		-	-	-	Pass	38	37	3
L1405059-07	SV06_030714	746	6.0L Can	03/06/14	99540	L1404564-03	Pass	-29.5	-4.8	-	-	-	-
L1405059-08	SV08B_030714	0070	#90 SV	03/06/14	99540		-	-	-	Pass	35	54	43

Project Name: 27-21 44TH DRIVE

Lab Number: L1405059

Project Number: 170281401

Report Date: 03/17/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1405059-08	SV08B_030714	574	6.0L Can	03/06/14	99540	L1404564-02	Pass	-29.5	0.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404382
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/02/14 20:58
Analyst: MB

Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404382
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404382
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404382
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Lab Number: L1404382
Project Number: CANISTER QC BAT
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:

Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1404382

Project Number: CANISTER QC BAT **Report Date:** 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/02/14 20:58
Analyst: MB

Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404382
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01
Client ID: CAN 945 SHELF 53
Sample Location:
Date Collected: 02/28/14 00:00
Date Received: 02/28/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1404382

Project Number: CANISTER QC BAT **Report Date:** 03/17/14

Air Canister Certification Results

Lab ID: L1404382-01 Date Collected: 02/28/14 00:00

Client ID: CAN 945 SHELF 53 Date Received: 02/28/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/05/14 16:38
Analyst: RY

Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1404564

Project Number: CANISTER QC BAT **Report Date:** 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02 Date Collected: 03/04/14 16:31

Client ID: CAN 1570 SHELF 43 Date Received: 03/05/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/05/14 16:38
Analyst: RY

Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:

Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-02
Client ID: CAN 1570 SHELF 43
Sample Location:
Date Collected: 03/04/14 16:31
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/05/14 17:10
Analyst: RY

Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1404564

Project Number: CANISTER QC BAT **Report Date:** 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03 Date Collected: 03/04/14 16:29

Client ID: CAN 786 SHELF 44 Date Received: 03/05/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1404564

Project Number: CANISTER QC BAT **Report Date:** 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/05/14 17:10
Analyst: RY

Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1404564
Report Date: 03/17/14

Air Canister Certification Results

Lab ID: L1404564-03
Client ID: CAN 786 SHELF 44
Sample Location:
Date Collected: 03/04/14 16:29
Date Received: 03/05/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	88		60-140

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405059
Report Date: 03/17/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405059-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-04A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-05A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-06A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-07A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1405059-08A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1405059
Project Number:	170281401	**Report Date:**	03/17/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: Data Usability Report

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1405059
Project Number:	170281401	**Report Date:**	03/17/14

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405059
Report Date: 03/17/14

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Last revised December 11, 2013

Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
4-Chloroaniline, 4-Methylphenol.
Soil: Total Phosphorus, TKN, NO2, NO3.
Total Petroleum Hydrocarbons, Oil & Grease.

Biphenyl.
Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Drinking Water
Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; Ba,Be,Ca,Cd,Cr,Cu,Na; Mercury;
Nitrate-N, Fluoride, Sulfate; Nitrate-N, Nitrite-N; Nitrate-N, Nitrite-N;
Perchlorate.

Non-Potable Water
Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
Ammonia-N, Ammonia-N,
Nitrate-N
Volatile Halocarbons & Aromatics,
Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
SVOC (Acid/Base/Neutral Extractables), PCB-Oil.

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

Serial_No:03141455059

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/11/14

ALPHA Job #: [redacted]

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street
New York, New York
Phone: 212.479.5400
Fax: 212.479.5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, New York
Project #: 170281401
Project Manager: Joe Good
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
[redacted]-01	SV10_030714	3/7/14	11:32	12:32	-29.31	-1.99	SV	SH	6L	1851	0283		X						
-02	AA01_030714		14:00	16:00	-22.00	-2.99	AA	SH	6L	1644	0036		X						
-03	SV09_030714		15:03	16:05	-28.78	-3.2	SV	SH	6L	1680	0372		X						
-04	SV07_030714		15:42	17:12	-30.57	-2.96	SV	SH	6L	739	0016		X						
-05	SV11_030714		16:22	18:22	-29.61	-5.45	SV	SH	6L	808	0332		X						
-06	SV05_030714		16:37	17:45	-29.79	-3.00	SV	SH	6L	1638	0318		X						
-07	SV06_030714		16:47	18:47	-29.84	-7.05	SV	SH	6L	746	0169		X						
-08	SV08B_030714		17:29	18:40	-29.45	-1.97	SV	SH	6L	574	0070		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	3/10/14 12:30	[signature]	3/10/14 1230
[signature]	3/10/14 1910	[signature]	3-10-14 1910
[signature]	3-10-14	[signature]	3-11-14 0900

ANALYTICAL REPORT

Lab Number:	L1405435
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Joe Good
Phone:	(212) 479-5448
Project Name:	27-21 44TH DRIVE
Project Number:	170281401
Report Date:	03/20/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405435-01	MW08_031414	QUEENS, NEW YORK	03/14/14 13:40
L1405435-02	MW09_031414	QUEENS, NEW YORK	03/14/14 12:25
L1405435-03	MW10_031414	QUEENS, NEW YORK	03/14/14 11:00
L1405435-04	MW11_031414	QUEENS, NEW YORK	03/14/14 09:30
L1405435-05	MWDUP01_031414	QUEENS, NEW YORK	03/14/14 00:00
L1405435-06	TRIP BLANK_031414	QUEENS, NEW YORK	03/14/14 00:00

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Case Narrative

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

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

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

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

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

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435
Project Number: 170281401 **Report Date:** 03/20/14

Case Narrative (continued)

Report Submission

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

Sample Reciept

The samples were field filtered for Dissolved Metals.

Total Metals

L1405435-01 has elevated detection limits for Al and Be due to the 20x dilution required by matrix interferences encountered during analysis.

L1405435-03: The dissolved result is greater than the total result for nickel. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

Dissolved Metals

L1405435-03 has elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

L1405435-04 and -05 have elevated detection limits for iron due to the dilutions required by matrix interferences encountered during analysis.

The WG675942-4 MS recoveries for calcium (60%) and iron (230%), performed on L1405435-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG675942-3 Laboratory Duplicate RPD, performed on L1405435-01, is outside the acceptance criteria for chromium (24%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 03/20/14

ORGANICS

VOLATILES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-01	Date Collected:	03/14/14 13:40
Client ID:	MW08_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/17/14 13:22		
Analyst:	MS		

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-01 Date Collected: 03/14/14 13:40

Client ID: MW08_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-01 Date Collected: 03/14/14 13:40

Client ID: MW08_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-02	Date Collected:	03/14/14 12:25
Client ID:	MW09_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/17/14 13:50		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.31	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.71		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-02 Date Collected: 03/14/14 12:25

Client ID: MW09_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.83	J	ug/l	2.5	0.70	1
p/m-Xylene	1.3	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.85	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	5.9		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	3.4		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	1.3	J	ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-02 Date Collected: 03/14/14 12:25

Client ID: MW09_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	6.6		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03
Client ID: MW10_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/17/14 14:19
Analyst: MS

Date Collected: 03/14/14 11:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	7.8		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03 Date Collected: 03/14/14 11:00

Client ID: MW10_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03 Date Collected: 03/14/14 11:00

Client ID: MW10_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04
Client ID: MW11_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/17/14 14:48
Analyst: MS

Date Collected: 03/14/14 09:30
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.36	J	ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04 Date Collected: 03/14/14 09:30

Client ID: MW11_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04 Date Collected: 03/14/14 09:30

Client ID: MW11_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05
Client ID: MWDUP01_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/17/14 15:16
Analyst: MS

Date Collected: 03/14/14 00:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.38	J	ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05 Date Collected: 03/14/14 00:00

Client ID: MWDUP01_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05 Date Collected: 03/14/14 00:00

Client ID: MWDUP01_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-06
Client ID: TRIP BLANK_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/17/14 15:45
Analyst: MS

Date Collected: 03/14/14 00:00
Date Received: 03/14/14
Field Prep: Not Specified

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

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-06 Date Collected: 03/14/14 00:00

Client ID: TRIP BLANK_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-06 Date Collected: 03/14/14 00:00

Client ID: TRIP BLANK_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/14 10:57
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG675968-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/14 10:57
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG675968-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/14 10:57
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG675968-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG675968-1 WG675968-2								
Methylene chloride	105		103		70-130	2		20
1,1-Dichloroethane	106		105		70-130	1		20
Chloroform	104		105		70-130	1		20
Carbon tetrachloride	105		106		63-132	1		20
1,2-Dichloropropane	107		106		70-130	1		20
Dibromochloromethane	89		90		63-130	1		20
1,1,2-Trichloroethane	88		89		70-130	1		20
Tetrachloroethene	80		82		70-130	2		20
Chlorobenzene	84		85		75-130	1		20
Trichlorofluoromethane	99		98		62-150	1		20
1,2-Dichloroethane	111		109		70-130	2		20
1,1,1-Trichloroethane	105		105		67-130	0		20
Bromodichloromethane	110		108		67-130	2		20
trans-1,3-Dichloropropene	93		91		70-130	2		20
cis-1,3-Dichloropropene	114		112		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	84		84		54-136	0		20
1,1,2,2-Tetrachloroethane	87		86		67-130	1		20
Benzene	104		104		70-130	0		20
Toluene	81		82		70-130	1		20
Ethylbenzene	82		83		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG675968-1 WG675968-2								
Chloromethane	99		97		64-130	2		20
Bromomethane	65		66		39-139	2		20
Vinyl chloride	96		95		55-140	1		20
Chloroethane	104		102		55-138	2		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	102		103		70-130	1		20
Trichloroethene	104		105		70-130	1		20
1,2-Dichlorobenzene	82		81		70-130	1		20
1,3-Dichlorobenzene	82		81		70-130	1		20
1,4-Dichlorobenzene	81		80		70-130	1		20
Methyl tert butyl ether	113		112		63-130	1		20
p/m-Xylene	85		86		70-130	1		20
o-Xylene	86		87		70-130	1		20
cis-1,2-Dichloroethene	106		104		70-130	2		20
Dibromomethane	114		112		70-130	2		20
1,2,3-Trichloropropane	89		88		64-130	1		20
Acrylonitrile	108		108		70-130	0		20
Styrene	87		88		70-130	1		20
Dichlorodifluoromethane	87		87		36-147	0		20
Acetone	128		122		58-148	5		20
Carbon disulfide	100		100		51-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG675968-1 WG675968-2								
2-Butanone	120		107		63-138	11		20
Vinyl acetate	122		120		70-130	2		20
4-Methyl-2-pentanone	104		104		59-130	0		20
2-Hexanone	85		85		57-130	0		20
Bromochloromethane	113		112		70-130	1		20
2,2-Dichloropropane	114		112		63-133	2		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	88		87		70-130	1		20
1,1,1,2-Tetrachloroethane	88		90		64-130	2		20
Bromobenzene	81		81		70-130	0		20
n-Butylbenzene	79		80		53-136	1		20
sec-Butylbenzene	79		79		70-130	0		20
tert-Butylbenzene	79		79		70-130	0		20
o-Chlorotoluene	81		80		70-130	1		20
p-Chlorotoluene	80		79		70-130	1		20
1,2-Dibromo-3-chloropropane	83		85		41-144	2		20
Hexachlorobutadiene	77		79		63-130	3		20
Isopropylbenzene	78		78		70-130	0		20
p-Isopropyltoluene	80		80		70-130	0		20
Naphthalene	81		88		70-130	8		20
n-Propylbenzene	79		79		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG675968-1 WG675968-2								
1,2,3-Trichlorobenzene	82		87		70-130	6		20
1,2,4-Trichlorobenzene	81		84		70-130	4		20
1,3,5-Trimethylbenzene	80		80		64-130	0		20
1,2,4-Trimethylbenzene	80		81		70-130	1		20
1,4-Dioxane	145		131		56-162	10		20
1,4-Diethylbenzene	79		80		70-130	1		20
4-Ethyltoluene	79		79		70-130	0		20
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		20
Ethyl ether	111		110		59-134	1		20
trans-1,4-Dichloro-2-butene	85		83		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	88		90		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	110		108		70-130

SEMIVOLATILES

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-01	Date Collected:	03/14/14 13:40
Client ID:	MW08_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/15/14 03:46
Analytical Date:	03/17/14 14:33		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-01 Date Collected: 03/14/14 13:40

Client ID: MW08_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	65		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-01	Date Collected:	03/14/14 13:40
Client ID:	MW08_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/15/14 03:43
Analytical Date:	03/17/14 15:04		
Analyst:	MW		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	76		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-02	Date Collected:	03/14/14 12:25
Client ID:	MW09_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/15/14 03:46
Analytical Date:	03/17/14 14:58		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-02 Date Collected: 03/14/14 12:25

Client ID: MW09_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	4.2	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	70		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-02	Date Collected:	03/14/14 12:25
Client ID:	MW09_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/15/14 03:43
Analytical Date:	03/17/14 15:35		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.27		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.08	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.17	J	ug/l	0.20	0.06	1
Phenanthrene	0.41		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.08	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	77		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-03	Date Collected:	03/14/14 11:00
Client ID:	MW10_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/15/14 03:46
Analytical Date:	03/17/14 15:24		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03 Date Collected: 03/14/14 11:00

Client ID: MW10_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	28		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	39	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	76		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-03	Date Collected:	03/14/14 11:00
Client ID:	MW10_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/15/14 03:43
Analytical Date:	03/17/14 16:06		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.12	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.15	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.14	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.08	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.17	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.16	J	ug/l	0.20	0.08	1
Pyrene	0.11	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.07	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	87		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-04	Date Collected:	03/14/14 09:30
Client ID:	MW11_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/15/14 03:46
Analytical Date:	03/17/14 15:49		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04 Date Collected: 03/14/14 09:30

Client ID: MW11_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	52		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-04	Date Collected:	03/14/14 09:30
Client ID:	MW11_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/15/14 03:43
Analytical Date:	03/17/14 17:43		
Analyst:	MW		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	64		41-149

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-05	Date Collected:	03/14/14 00:00
Client ID:	MWDUP01_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/15/14 03:46
Analytical Date:	03/17/14 16:15		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: 27-21 44TH DRIVE **Lab Number:** L1405435

Project Number: 170281401 **Report Date:** 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05 Date Collected: 03/14/14 00:00

Client ID: MWDUP01_031414 Date Received: 03/14/14

Sample Location: QUEENS, NEW YORK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	75		41-149

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-05	Date Collected:	03/14/14 00:00
Client ID:	MWDUP01_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/15/14 03:43
Analytical Date:	03/17/14 18:13		
Analyst:	MW		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	76		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/14 16:36
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 03:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG675728-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/17/14 16:36
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 03:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG675728-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	80		41-149

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/14 10:25
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 03:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG675729-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/14 10:25
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 03:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG675729-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	64		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG675728-2 WG675728-3								
Acenaphthene	70		63		37-111	11		40
2-Chloronaphthalene	67		63		40-140	6		40
Fluoranthene	90		85		40-140	6		40
Hexachlorobutadiene	52		50		40-140	4		40
Naphthalene	62		57		40-140	8		40
Benzo(a)anthracene	100		94		40-140	6		40
Benzo(a)pyrene	80		77		40-140	4		40
Benzo(b)fluoranthene	85		82		40-140	4		40
Benzo(k)fluoranthene	89		83		40-140	7		40
Chrysene	86		81		40-140	6		40
Acenaphthylene	80		72		40-140	11		40
Anthracene	80		73		40-140	9		40
Benzo(ghi)perylene	82		82		40-140	0		40
Fluorene	80		77		40-140	4		40
Phenanthrene	81		78		40-140	4		40
Dibenzo(a,h)anthracene	84		81		40-140	4		40
Indeno(1,2,3-cd)Pyrene	86		85		40-140	1		40
Pyrene	86		82		26-127	5		40
2-Methylnaphthalene	69		64		40-140	8		40
Pentachlorophenol	102		83		9-103	21		40
Hexachlorobenzene	70		67		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG675728-2 WG675728-3								
Hexachloroethane	60		55		40-140	9		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		38		21-120
Phenol-d6	29		29		10-120
Nitrobenzene-d5	73		68		23-120
2-Fluorobiphenyl	64		59		15-120
2,4,6-Tribromophenol	91		81		10-120
4-Terphenyl-d14	84		81		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675729-2 WG675729-3								
1,2,4-Trichlorobenzene	42		47		39-98	11		30
Bis(2-chloroethyl)ether	59		58		40-140	2		30
1,2-Dichlorobenzene	44		47		40-140	7		30
1,3-Dichlorobenzene	40		45		40-140	12		30
1,4-Dichlorobenzene	41		45		36-97	9		30
3,3'-Dichlorobenzidine	65		55		40-140	17		30
2,4-Dinitrotoluene	75		76		24-96	1		30
2,6-Dinitrotoluene	75		76		40-140	1		30
4-Chlorophenyl phenyl ether	66		72		40-140	9		30
4-Bromophenyl phenyl ether	74		75		40-140	1		30
Bis(2-chloroisopropyl)ether	72		73		40-140	1		30
Bis(2-chloroethoxy)methane	67		67		40-140	0		30
Hexachlorocyclopentadiene	**31**	Q	**31**	Q	40-140	0		30
Isophorone	72		72		40-140	0		30
Nitrobenzene	61		63		40-140	3		30
NitrosoDiPhenylAmine(NDPA)/DPA	72		74		40-140	3		30
n-Nitrosodi-n-propylamine	70		69		29-132	1		30
Bis(2-Ethylhexyl)phthalate	92		96		40-140	4		30
Butyl benzyl phthalate	80		86		40-140	7		30
Di-n-butylphthalate	85		88		40-140	3		30
Di-n-octylphthalate	87		90		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675729-2 WG675729-3								
Diethyl phthalate	77		79		40-140	3		30
Dimethyl phthalate	74		77		40-140	4		30
Biphenyl	59		66			11		30
4-Chloroaniline	63		61		40-140	3		30
2-Nitroaniline	72		73		52-143	1		30
3-Nitroaniline	54		52		25-145	4		30
4-Nitroaniline	61		65		51-143	6		30
Dibenzofuran	64		70		40-140	9		30
1,2,4,5-Tetrachlorobenzene	52		58		2-134	11		30
Acetophenone	68		67		39-129	1		30
2,4,6-Trichlorophenol	69		73		30-130	6		30
P-Chloro-M-Cresol	73		74		23-97	1		30
2-Chlorophenol	58		59		27-123	2		30
2,4-Dichlorophenol	63		66		30-130	5		30
2,4-Dimethylphenol	73		69		30-130	6		30
2-Nitrophenol	65		65		30-130	0		30
4-Nitrophenol	35		38		10-80	8		30
2,4-Dinitrophenol	56		52		20-130	7		30
4,6-Dinitro-o-cresol	71		75		20-164	5		30
Phenol	28		28		12-110	0		30
2-Methylphenol	58		56		30-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675729-2 WG675729-3								
3-Methylphenol/4-Methylphenol	59		57		30-130	3		30
2,4,5-Trichlorophenol	71		77		30-130	8		30
Benzoic Acid	22		18			20		30
Benzyl Alcohol	56		55			2		30
Carbazole	78		81		55-144	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		38		21-120
Phenol-d6	28		27		10-120
Nitrobenzene-d5	65		65		23-120
2-Fluorobiphenyl	58		62		15-120
2,4,6-Tribromophenol	78		83		10-120
4-Terphenyl-d14	73		77		41-149

PCBS

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-01	Date Collected:	03/14/14 13:40
Client ID:	MW08_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/15/14 04:23
Analytical Date:	03/16/14 17:26	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	03/16/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-02	Date Collected:	03/14/14 12:25
Client ID:	MW09_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/15/14 04:23
Analytical Date:	03/16/14 17:40	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	03/16/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-03	Date Collected:	03/14/14 11:00
Client ID:	MW10_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/15/14 04:23
Analytical Date:	03/16/14 17:53	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	03/16/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-04	Date Collected:	03/14/14 09:30
Client ID:	MW11_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/15/14 04:23
Analytical Date:	03/16/14 18:06	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	03/16/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-05	Date Collected:	03/14/14 00:00
Client ID:	MWDUP01_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/15/14 04:23
Analytical Date:	03/16/14 18:19	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	03/16/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/16/14 16:46
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 04:23
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/16/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG675738-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG675738-2 WG675738-3									
Aroclor 1016	71		**16**	Q	40-140	**126**	Q	50	A
Aroclor 1260	83		**18**	Q	40-140	**129**	Q	50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		**10**	Q	30-150	A
Decachlorobiphenyl	75		**14**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		**10**	Q	30-150	B
Decachlorobiphenyl	76		**15**	Q	30-150	B

PESTICIDES

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-01	Date Collected:	03/14/14 13:40
Client ID:	MW08_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/15/14 04:26
Analytical Date:	03/17/14 09:42	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-02	Date Collected:	03/14/14 12:25
Client ID:	MW09_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/15/14 04:26
Analytical Date:	03/17/14 09:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	0.013	J	ug/l	0.020	0.006	1	B
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-03	Date Collected:	03/14/14 11:00
Client ID:	MW10_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/15/14 04:26
Analytical Date:	03/17/14 10:09	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	**28**	Q	30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-04	Date Collected:	03/14/14 09:30
Client ID:	MW11_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/15/14 04:26
Analytical Date:	03/17/14 10:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID:	L1405435-05	Date Collected:	03/14/14 00:00
Client ID:	MWDUP01_031414	Date Received:	03/14/14
Sample Location:	QUEENS, NEW YORK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/15/14 04:26
Analytical Date:	03/17/14 10:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/14 09:29
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 03/15/14 04:26
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG675740-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	43		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG675740-2 WG675740-3									
Delta-BHC	68		55		30-150	**21**	Q	20	A
Lindane	71		58		30-150	20		20	A
Alpha-BHC	72		58		30-150	**21**	Q	20	A
Beta-BHC	64		52		30-150	**21**	Q	20	A
Heptachlor	74		60		30-150	**21**	Q	20	A
Aldrin	71		57		30-150	**21**	Q	20	A
Heptachlor epoxide	70		58		30-150	20		20	A
Endrin	78		64		30-150	19		20	A
Endrin ketone	74		60		30-150	20		20	A
Dieldrin	75		62		30-150	19		20	A
4,4'-DDE	70		57		30-150	20		20	A
4,4'-DDD	80		66		30-150	19		20	A
4,4'-DDT	87		72		30-150	18		20	A
Endosulfan I	71		58		30-150	20		20	A
Endosulfan II	70		58		30-150	19		20	A
Endosulfan sulfate	66		53		30-150	**22**	Q	20	A
Methoxychlor	83		69		30-150	19		20	A
cis-Chlordane	74		62		30-150	18		20	A
trans-Chlordane	70		57		30-150	19		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG675740-2 WG675740-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		40		30-150	A
Decachlorobiphenyl	57		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		35		30-150	B
Decachlorobiphenyl	50		43		30-150	B

METALS

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-01
Client ID: MW08_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Date Collected: 03/14/14 13:40
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0409	J	mg/l	0.200	0.0400	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Antimony, Total	0.00197	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00186		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Barium, Total	0.2335		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.01000	0.00200	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00017	J	mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Calcium, Total	220.		mg/l	2.00	0.640	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Chromium, Total	0.00055	J	mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00172		mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Copper, Total	0.00878		mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Iron, Total	17.4		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Lead, Total	0.00494		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Magnesium, Total	20.8		mg/l	1.40	0.460	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Manganese, Total	0.9292		mg/l	0.01000	0.00200	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 13:30	EPA 7470A	1,7470A	AK
Nickel, Total	0.00237		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Potassium, Total	9.89		mg/l	2.00	0.540	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Sodium, Total	211.		mg/l	2.00	0.300	20	03/18/14 11:06	03/19/14 15:32	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00031	J	mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Zinc, Total	0.06202		mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 15:36	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00343	J	mg/l	0.0100	0.00200	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Antimony, Dissolved	0.00030	J	mg/l	0.00200	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Arsenic, Dissolved	0.00236		mg/l	0.00050	0.00020	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Barium, Dissolved	0.2205		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-01
Client ID: MW08_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water

Date Collected: 03/14/14 13:40
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	218.		mg/l	2.00	0.640	20	03/17/14 14:51	03/18/14 14:54	NA	1,6020A	BM
Chromium, Dissolved	0.00259		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Cobalt, Dissolved	0.00166		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Copper, Dissolved	0.00122		mg/l	0.00100	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Iron, Dissolved	16.4		mg/l	0.0500	0.0130	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Lead, Dissolved	0.00041	J	mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Magnesium, Dissolved	19.1		mg/l	0.0700	0.0230	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Manganese, Dissolved	0.9120		mg/l	0.01000	0.00200	20	03/17/14 14:51	03/18/14 14:54	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 12:00	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00380		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Potassium, Dissolved	13.0		mg/l	0.100	0.0270	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Selenium, Dissolved	0.00156	J	mg/l	0.00500	0.00030	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Sodium, Dissolved	225.		mg/l	2.00	0.300	20	03/17/14 14:51	03/18/14 14:54	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Vanadium, Dissolved	0.00083	J	mg/l	0.00500	0.00010	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM
Zinc, Dissolved	0.05050		mg/l	0.01000	0.00120	1	03/17/14 14:51	03/18/14 16:50	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-02
Client ID: MW09_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Date Collected: 03/14/14 12:25
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0372		mg/l	0.0100	0.00200	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Antimony, Total	0.00168	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00403		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Barium, Total	0.03728		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Calcium, Total	29.2		mg/l	0.100	0.0320	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Chromium, Total	0.00077	J	mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00017	J	mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Copper, Total	0.00080	J	mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Iron, Total	1.06		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Lead, Total	0.00411		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Magnesium, Total	2.28		mg/l	0.0700	0.0230	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Manganese, Total	0.08507		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 13:36	EPA 7470A	1,7470A	AK
Nickel, Total	0.00041	J	mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Potassium, Total	5.05		mg/l	0.100	0.0270	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Sodium, Total	13.7		mg/l	0.100	0.0150	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Zinc, Total	0.00500	J	mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 15:43	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0200		mg/l	0.0100	0.00200	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Antimony, Dissolved	0.00124	J	mg/l	0.00200	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Arsenic, Dissolved	0.00350		mg/l	0.00050	0.00020	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Barium, Dissolved	0.03426		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-02
Client ID: MW09_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water

Date Collected: 03/14/14 12:25
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	36.4		mg/l	0.100	0.0320	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Chromium, Dissolved	0.00094	J	mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Cobalt, Dissolved	0.00019	J	mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Copper, Dissolved	0.00032	J	mg/l	0.00100	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Iron, Dissolved	1.03		mg/l	0.0500	0.0130	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Lead, Dissolved	0.00039	J	mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Magnesium, Dissolved	2.13		mg/l	0.0700	0.0230	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Manganese, Dissolved	0.07590		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 12:18	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00057		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Potassium, Dissolved	4.71		mg/l	0.100	0.0270	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Selenium, Dissolved	0.00060	J	mg/l	0.00500	0.00030	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Silver, Dissolved	0.00014	J	mg/l	0.00040	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Sodium, Dissolved	13.0		mg/l	0.100	0.0150	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Vanadium, Dissolved	0.00029	J	mg/l	0.00500	0.00010	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM
Zinc, Dissolved	0.00214	J	mg/l	0.01000	0.00120	1	03/17/14 14:51	03/18/14 17:39	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03
Client ID: MW10_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Date Collected: 03/14/14 11:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.348		mg/l	0.0100	0.00200	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Antimony, Total	0.00165	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00641		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Barium, Total	0.08360		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Calcium, Total	56.4		mg/l	2.00	0.640	20	03/18/14 11:06	03/19/14 15:46	EPA 3005A	1,6020A	KL
Chromium, Total	0.00185		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00140		mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Copper, Total	0.00210		mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Iron, Total	11.9		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Lead, Total	0.00220		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Magnesium, Total	18.9		mg/l	1.40	0.460	20	03/18/14 11:06	03/19/14 15:46	EPA 3005A	1,6020A	KL
Manganese, Total	0.3643		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 13:38	EPA 7470A	1,7470A	AK
Nickel, Total	0.00660		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Potassium, Total	26.9		mg/l	0.100	0.0270	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Selenium, Total	0.00095	J	mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Sodium, Total	314.		mg/l	2.00	0.300	20	03/18/14 11:06	03/19/14 15:46	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00271	J	mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Zinc, Total	0.00560	J	mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 15:50	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0176	J	mg/l	0.0200	0.00400	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Antimony, Dissolved	0.00112	J	mg/l	0.00400	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Arsenic, Dissolved	0.00644		mg/l	0.00100	0.00040	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Barium, Dissolved	0.07424		mg/l	0.00100	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-03
Client ID: MW10_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water

Date Collected: 03/14/14 11:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	67.7		mg/l	0.200	0.0640	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Chromium, Dissolved	0.00588		mg/l	0.00200	0.00040	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Cobalt, Dissolved	0.00110		mg/l	0.00100	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Copper, Dissolved	0.00105	J	mg/l	0.00200	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Iron, Dissolved	9.47		mg/l	0.100	0.0260	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Lead, Dissolved	0.00048	J	mg/l	0.00200	0.00040	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Magnesium, Dissolved	21.2		mg/l	0.140	0.0460	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Manganese, Dissolved	0.3146		mg/l	0.00100	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 12:20	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00997		mg/l	0.00100	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Potassium, Dissolved	29.6		mg/l	0.200	0.0540	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Selenium, Dissolved	0.00260	J	mg/l	0.0100	0.00060	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Sodium, Dissolved	320.		mg/l	2.00	0.300	20	03/17/14 14:51	03/18/14 15:14	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00100	0.00006	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Vanadium, Dissolved	0.00264	J	mg/l	0.01000	0.00020	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM
Zinc, Dissolved	0.00781	J	mg/l	0.02000	0.00240	2	03/17/14 14:51	03/18/14 17:46	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04
Client ID: MW11_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Date Collected: 03/14/14 09:30
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0149		mg/l	0.0100	0.00200	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Antimony, Total	0.00130	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00038	J	mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Barium, Total	0.06511		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00017	J	mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Calcium, Total	146.		mg/l	2.00	0.640	20	03/18/14 11:06	03/19/14 16:14	EPA 3005A	1,6020A	KL
Chromium, Total	0.00723		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00076		mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Copper, Total	0.00265		mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Iron, Total	0.0569		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Lead, Total	0.00022	J	mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Magnesium, Total	12.3		mg/l	1.40	0.460	20	03/18/14 11:06	03/19/14 16:14	EPA 3005A	1,6020A	KL
Manganese, Total	0.4808		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 13:39	EPA 7470A	1,7470A	AK
Nickel, Total	0.00910		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Potassium, Total	13.3		mg/l	0.100	0.0270	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Selenium, Total	0.00636		mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Sodium, Total	18.3		mg/l	0.100	0.0150	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Zinc, Total	0.00773	J	mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 16:18	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Antimony, Dissolved	0.00040	J	mg/l	0.00200	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Barium, Dissolved	0.05981		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Cadmium, Dissolved	0.00013	J	mg/l	0.00020	0.00005	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-04
Client ID: MW11_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water

Date Collected: 03/14/14 09:30
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	131.		mg/l	2.00	0.640	20	03/17/14 14:51	03/18/14 15:35	NA	1,6020A	BM
Chromium, Dissolved	0.00803		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Cobalt, Dissolved	0.00071		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Copper, Dissolved	0.00245		mg/l	0.00100	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Iron, Dissolved	0.604	J	mg/l	1.00	0.260	20	03/17/14 14:51	03/18/14 15:35	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Magnesium, Dissolved	11.0		mg/l	0.0700	0.0230	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Manganese, Dissolved	0.4390		mg/l	0.01000	0.00200	20	03/17/14 14:51	03/18/14 15:35	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 12:22	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00854		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Potassium, Dissolved	11.9		mg/l	0.100	0.0270	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Selenium, Dissolved	0.00695		mg/l	0.00500	0.00030	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Sodium, Dissolved	16.8		mg/l	0.100	0.0150	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Vanadium, Dissolved	0.00084	J	mg/l	0.00500	0.00010	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM
Zinc, Dissolved	0.00682	J	mg/l	0.01000	0.00120	1	03/17/14 14:51	03/18/14 17:52	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05
Client ID: MWDUP01_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water
Date Collected: 03/14/14 00:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0162		mg/l	0.0100	0.00200	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Antimony, Total	0.00140	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00041	J	mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Barium, Total	0.06251		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00014	J	mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Calcium, Total	139.		mg/l	2.00	0.640	20	03/18/14 11:06	03/19/14 16:21	EPA 3005A	1,6020A	KL
Chromium, Total	0.00696		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00074		mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Copper, Total	0.00256		mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Iron, Total	0.0564		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Lead, Total	0.00020	J	mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Magnesium, Total	12.2		mg/l	1.40	0.460	20	03/18/14 11:06	03/19/14 16:21	EPA 3005A	1,6020A	KL
Manganese, Total	0.4796		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 13:41	EPA 7470A	1,7470A	AK
Nickel, Total	0.00852		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Potassium, Total	13.0		mg/l	0.100	0.0270	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Selenium, Total	0.00633		mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Sodium, Total	18.2		mg/l	0.100	0.0150	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Zinc, Total	0.00754	J	mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 16:25	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Antimony, Dissolved	0.00035	J	mg/l	0.00200	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Arsenic, Dissolved	0.00026	J	mg/l	0.00050	0.00020	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Barium, Dissolved	0.06058		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Cadmium, Dissolved	0.00012	J	mg/l	0.00020	0.00005	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Lab Number: L1405435
Project Number: 170281401
Report Date: 03/20/14

SAMPLE RESULTS

Lab ID: L1405435-05
Client ID: MWDUP01_031414
Sample Location: QUEENS, NEW YORK
Matrix: Water

Date Collected: 03/14/14 00:00
Date Received: 03/14/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	137.		mg/l	2.00	0.640	20	03/17/14 14:51	03/18/14 15:41	NA	1,6020A	BM
Chromium, Dissolved	0.00771		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Cobalt, Dissolved	0.00074		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Copper, Dissolved	0.00259		mg/l	0.00100	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Iron, Dissolved	0.612	J	mg/l	1.00	0.260	20	03/17/14 14:51	03/18/14 15:41	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Magnesium, Dissolved	11.1		mg/l	0.0700	0.0230	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Manganese, Dissolved	0.4424		mg/l	0.01000	0.00200	20	03/17/14 14:51	03/18/14 15:41	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 12:24	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00878		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Potassium, Dissolved	12.1		mg/l	0.100	0.0270	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Selenium, Dissolved	0.00686		mg/l	0.00500	0.00030	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Sodium, Dissolved	17.1		mg/l	0.100	0.0150	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Vanadium, Dissolved	0.00073	J	mg/l	0.00500	0.00010	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM
Zinc, Dissolved	0.00650	J	mg/l	0.01000	0.00120	1	03/17/14 14:51	03/18/14 17:58	NA	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG675753-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/15/14 09:57	03/15/14 12:54	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-05 Batch: WG675942-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Antimony, Dissolved	ND		mg/l	0.00200	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Chromium, Dissolved	0.00031	J	mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Manganese, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Sodium, Dissolved	0.0416	J	mg/l	0.100	0.0150	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	03/17/14 14:51	03/18/14 17:21	1,6020A	BM

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-05 Batch: WG676128-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/18/14 08:57	03/18/14 11:56	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG676183-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Antimony, Total	0.00182	J	mg/l	0.00250	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Arsenic, Total	0.00035	J	mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Chromium, Total	0.00025	J	mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Nickel, Total	0.00010	J	mg/l	0.00050	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL

Project Name: 27-21 44TH DRIVE
Project Number: 170281401
Lab Number: L1405435
Report Date: 03/20/14

Method Blank Analysis
Batch Quality Control

Zinc, Total	0.00138	J	mg/l	0.01000	0.00120	1	03/18/14 11:06	03/19/14 12:42	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG675753-2								
Mercury, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG675942-2					
Aluminum, Dissolved	110	-	80-120	-	
Antimony, Dissolved	88	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Cadmium, Dissolved	102	-	80-120	-	
Calcium, Dissolved	104	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	107	-	80-120	-	
Iron, Dissolved	116	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Magnesium, Dissolved	106	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	107	-	80-120	-	
Potassium, Dissolved	102	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	101	-	80-120	-	
Sodium, Dissolved	107	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG675942-2					
Zinc, Dissolved	107	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG676128-2					
Mercury, Dissolved	102	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG676183-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	113	-	80-120	-	
Calcium, Total	108	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	108	-	80-120	-	
Copper, Total	108	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	108	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	115	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27-21 44TH DRIVE

Project Number: 170281401

Lab Number: L1405435

Report Date: 03/20/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG676183-2					
Zinc, Total	117	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675753-4 QC Sample: L1405080-13 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00544	109		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675942-4 QC Sample: L1405435-01 Client ID: MW08_031414										
Aluminum, Dissolved	0.00343J	2	2.00	100		-	-	75-125	-	20
Antimony, Dissolved	0.00030J	0.5	0.4574	91		-	-	75-125	-	20
Arsenic, Dissolved	0.00236	0.12	0.1248	102		-	-	75-125	-	20
Barium, Dissolved	0.2205	2	2.178	98		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05004	100		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.04930	97		-	-	75-125	-	20
Calcium, Dissolved	218.	10	224	**60**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00259	0.2	0.1961	97		-	-	75-125	-	20
Cobalt, Dissolved	0.00166	0.5	0.4842	96		-	-	75-125	-	20
Copper, Dissolved	0.00122	0.25	0.2520	100		-	-	75-125	-	20
Iron, Dissolved	16.4	1	18.7	**230**	Q	-	-	75-125	-	20
Lead, Dissolved	0.00041J	0.51	0.5020	98		-	-	75-125	-	20
Magnesium, Dissolved	19.1	10	31.3	122		-	-	75-125	-	20
Manganese, Dissolved	0.9120	0.5	1.371	92		-	-	75-125	-	20
Nickel, Dissolved	0.00380	0.5	0.4964	98		-	-	75-125	-	20
Potassium, Dissolved	13.0	10	24.0	110		-	-	75-125	-	20
Selenium, Dissolved	0.00156J	0.12	0.122	102		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04832	97		-	-	75-125	-	20
Sodium, Dissolved	225.	10	236	110		-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1107	92		-	-	75-125	-	20
Vanadium, Dissolved	0.00083J	0.5	0.5026	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675942-4 QC Sample: L1405435-01 Client ID: MW08_031414									
Zinc, Dissolved	0.05050	0.5	0.5694	104	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676128-4 QC Sample: L1405435-01 Client ID: MW08_031414									
Mercury, Dissolved	ND	0.005	0.00530	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676183-4 QC Sample: L1405080-01 Client ID: MS Sample										
Aluminum, Total	0.0770	2	2.18	109		-	-	75-125	-	20
Antimony, Total	0.00953	0.5	0.4794	96		-	-	75-125	-	20
Arsenic, Total	0.00222	0.12	0.1316	110		-	-	75-125	-	20
Barium, Total	0.06001	2	2.028	98		-	-	75-125	-	20
Beryllium, Total	0.00032J	0.05	0.05554	111		-	-	75-125	-	20
Cadmium, Total	0.00015J	0.051	0.05630	110		-	-	75-125	-	20
Calcium, Total	137.	10	119	**0**	Q	-	-	75-125	-	20
Chromium, Total	0.00213	0.2	0.2092	105		-	-	75-125	-	20
Cobalt, Total	0.00045	0.5	0.5262	105		-	-	75-125	-	20
Copper, Total	0.01332	0.25	0.2752	104		-	-	75-125	-	20
Iron, Total	0.198	1	1.22	122		-	-	75-125	-	20
Lead, Total	0.00144	0.51	0.5258	103		-	-	75-125	-	20
Magnesium, Total	39.6	10	42.4	**28**	Q	-	-	75-125	-	20
Manganese, Total	0.00636	0.5	0.5228	103		-	-	75-125	-	20
Nickel, Total	0.1011	0.5	0.6182	100		-	-	75-125	-	20
Potassium, Total	3.76	10	9.29	**48**	Q	-	-	75-125	-	20
Selenium, Total	0.0242	0.12	0.156	**130**	Q	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05106	102		-	-	75-125	-	20
Sodium, Total	59.2	10	52.2	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1168	97		-	-	75-125	-	20
Vanadium, Total	0.00017J	0.5	0.5268	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676183-4 QC Sample: L1405080-01 Client ID: MS Sample									
Zinc, Total	0.05299	0.5	0.6222	124	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675753-3 QC Sample: L1405080-13 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675942-3 QC Sample: L1405435-01 Client ID: MW08_031414						
Aluminum, Dissolved	0.00343J	0.00357J	mg/l	NC		20
Antimony, Dissolved	0.00030J	0.00029J	mg/l	NC		20
Arsenic, Dissolved	0.00236	0.00227	mg/l	4		20
Barium, Dissolved	0.2205	0.2192	mg/l	1		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	0.00259	0.00329	mg/l	**24**	Q	20
Cobalt, Dissolved	0.00166	0.00164	mg/l	1		20
Copper, Dissolved	0.00122	0.00114	mg/l	7		20
Iron, Dissolved	16.4	16.7	mg/l	2		20
Lead, Dissolved	0.00041J	0.00042J	mg/l	NC		20
Magnesium, Dissolved	19.1	19.1	mg/l	0		20
Nickel, Dissolved	0.00380	0.00384	mg/l	1		20
Potassium, Dissolved	13.0	13.2	mg/l	2		20
Selenium, Dissolved	0.00156J	0.00147J	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Thallium, Dissolved	ND	ND	mg/l	NC		20
Vanadium, Dissolved	0.00083J	0.00104J	mg/l	NC		20
Zinc, Dissolved	0.05050	0.05045	mg/l	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG675942-3 QC Sample: L1405435-01 Client ID: MW08_031414					
Calcium, Dissolved	218.	222	mg/l	2	20
Manganese, Dissolved	0.9120	0.9550	mg/l	5	20
Sodium, Dissolved	225.	237	mg/l	5	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676128-3 QC Sample: L1405435-01 Client ID: MW08_031414					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676183-3 QC Sample: L1405080-01 Client ID: DUP Sample						
Aluminum, Total	0.0770	0.0758	mg/l	2		20
Antimony, Total	0.00953	0.00691	mg/l	**32**	Q	20
Arsenic, Total	0.00222	0.00218	mg/l	2		20
Barium, Total	0.06001	0.06008	mg/l	0		20
Beryllium, Total	0.00032J	0.00037J	mg/l	NC		20
Cadmium, Total	0.00015J	0.00018J	mg/l	NC		20
Chromium, Total	0.00213	0.00220	mg/l	3		20
Cobalt, Total	0.00045	0.00044	mg/l	2		20
Copper, Total	0.01332	0.01328	mg/l	0		20
Iron, Total	0.198	0.201	mg/l	2		20
Lead, Total	0.00144	0.00146	mg/l	1		20
Manganese, Total	0.00636	0.00621	mg/l	2		20
Nickel, Total	0.1011	0.1016	mg/l	0		20
Potassium, Total	3.76	3.78	mg/l	1		20
Selenium, Total	0.0242	0.0246	mg/l	2		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.00017J	0.00032J	mg/l	NC		20
Zinc, Total	0.05299	0.05351	mg/l	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG676183-3 QC Sample: L1405080-01 Client ID: DUP Sample					
Calcium, Total	137.	120	mg/l	13	20
Magnesium, Total	39.6	34.7	mg/l	13	20
Sodium, Total	59.2	51.5	mg/l	14	20

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405435-01A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1405435-01B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1405435-01C	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1405435-01D	Plastic 500ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1405435-01E	Plastic 500ml HNO3 preserved	A	<2	3.6	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405435-01F	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1405435-01G	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1405435-01H	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-01I	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-01J	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-01K	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405435-02A	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-02B	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-02C	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-02D	Plastic 500ml HNO3 preserved	B	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1405435-02E	Plastic 500ml HNO3 preserved	B	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405435-02F	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1405435-02G	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1405435-02H	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-02I	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-02J	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-02K	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-03A	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-03B	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-03C	Vial HCl preserved	B	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405435-03D	Plastic 500ml HNO3 preserved	B	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405435-03E	Plastic 500ml HNO3 preserved	B	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405435-03F	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1405435-03G	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1405435-03H	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-03I	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-03J	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-03K	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-04A	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-04B	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-04C	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-04D	Plastic 500ml HNO3 preserved	C	<2	3.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1405435-04E	Plastic 500ml HNO3 preserved	C	<2	3.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405435-04F	Amber 500ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8081(7)
L1405435-04G	Amber 500ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8081(7)
L1405435-04H	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: 27-21 44TH DRIVE
Project Number: 170281401

Lab Number: L1405435
Report Date: 03/20/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405435-04I	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-04J	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-04K	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-05A	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-05B	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-05C	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-05D	Plastic 500ml HNO3 preserved	C	<2	3.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1405435-05E	Plastic 500ml HNO3 preserved	C	<2	3.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405435-05F	Amber 500ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8081(7)
L1405435-05G	Amber 500ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8081(7)
L1405435-05H	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-05I	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8082-1200ML(7)
L1405435-05J	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-05K	Amber 1000ml unpreserved	C	7	3.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405435-06A	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1405435-06B	Vial HCl preserved	C	N/A	3.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1405435
Project Number:	170281401	**Report Date:**	03/20/14

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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

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

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

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1405435
Project Number:	170281401	**Report Date:**	03/20/14

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	27-21 44TH DRIVE	**Lab Number:**	L1405435
Project Number:	170281401	**Report Date:**	03/20/14

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Last revised December 11, 2013

Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
4-Chloroaniline, 4-Methylphenol.
Soil: Total Phosphorus, TKN, NO2, NO3.
Total Petroleum Hydrocarbons, Oil & Grease.

Biphenyl.
Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Drinking Water
Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; Ba,Be,Ca,Cd,Cr,Cu,Na; Mercury;
Nitrate-N, Fluoride, Sulfate; Nitrate-N, Nitrite-N; Nitrate-N, Nitrite-N;
Perchlorate.

Non-Potable Water
Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
Ammonia-N, Ammonia-N,
Nitrate-N
Volatile Halocarbons & Aromatics,
Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
SVOC (Acid/Base/Neutral Extractables), PCB-Oil.

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/15/14 3/14/14 RS

ALPHA Job #: L1405435

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

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street
New York, New York
Phone: 212.479.5400
Fax: 212.479.5444
Email: jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 27-21 44th Drive
Project Location: Queens, New York
Project #: 170281401
Project Manager: Joe Good
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 3/19/2014 Time: 12:00

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Metals (Field Filtered & Unfiltered)	PCBs	Pesticides	Sample Specific Comments	TOTAL # BOTTLES
05435-1	MW08_031414	3/14/14	13:40	GW	SH	X	X	X	X	X		11
-2	MW09_031414		12:25	GW	SH	X	X	X	X	X		11
-3	MW10_031414		11:00	GW	SH	X	X	X	X	X		11
-4	MW11_031414		09:30	GW	SH	X	X	X	X	X		11
-5	MWDUP01_031414	↓	—	GW	SH	X	X	X	X	X		11
-6	TripBlank_031414	3/14/14	—	W	SH	X						2

SAMPLE HANDLING

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

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	3-14-14 1632		3-14-14 1632
	3/14/14		3/14/14 1941
	3/15/14 1207		3/15/14 0017

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

APPENDIX I DATA USABILITY SUMMARY REPORT

Data Usability Summary Report

27-21 44TH Drive Site
Queens, New York

Samples Collected
December 2013 - March 2014

May 2014

EnviroAnalytics
Data Management and Validation Service

2638 Sunset Avenue
Utica, New York 13502

Data Usability Summary Report

Samples Collected
December 2013 - March 2014

27-21 44TH Drive Site
Queens, New York

Prepared By:

EnviroAnalytics
Data Management and Validation Service
2638 Sunset Avenue
Utica, New York 13502

EXECUTIVE SUMMARY

This report addresses data quality for soil and water samples collected at the 27-21 44TH Drive site located in Queens, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), herbicides, pesticides/polychlorinated biphenyls (Pesticides/PCBs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Langan Engineering & Environmental Services of New York, New York. Analytical services were provided by Alpha Analytical Laboratories, Inc. located in Westboro, Massachusetts.

The inorganics analyses data have been determined to be usable for qualitative and quantitative purposes with qualification. Sample results for Hexavalent Chromium were qualified based on deviations from matrix spike analysis criteria.

The volatile organics analyses data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from continuing calibration, laboratory control sample, and field duplicate criteria.

The semivolatile organics analyses data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from continuing calibration and laboratory control sample criteria.

The Herbicides/Pesticides/PCBs analyses data were determined to be usable for qualitative and quantitative purposes with the exception of the detected results for Lindane and Beta-BHC for sample DUP02 which were rejected due to compound identification deviations. Sample results for several compounds were qualified based on deviations from laboratory control sample, surrogate recovery, compound identification, and field duplicate criteria.

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Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for soil and water samples collected at the 27-21 44TH Drive site located in Queens, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), herbicides, pesticides/polychlorinated biphenyls (Pesticides/PCBs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Langan Engineering & Environmental Services of New York, New York. Analytical services were provided by Alpha Analytical Laboratories, Inc. located in Westboro, Massachusetts. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Matrix	Sample Identification	
			Client ID	Laboratory ID
L1324383	12/02/2013	Soil/Water	SB01_10-11	L1324383-02
			SB02_0-1	L1324383-03
			SB02_6-7	L1324383-04
			SB02_11-12	L1324383-05
			DUP01	L1324383-06
			SB03_1-2	L1324383-07
			SB03_7-8	L1324383-08
			SB04_0-1	L1324383-09
			SB04_5-6	L1324383-10
			SB05_1-2	L1324383-11
L1324502	12/03/2013	Soil/Water	SB06_1-2	L1324502-01
			SB06_5-6	L1324502-02
			SB07_0-1	L1324502-03
			SB08_1-2	L1324502-05
			SB08_10-11	L1324502-06
			SB09_1-2	L1324502-07
			SB09_5-6	L1324502-08
			TRIP BLANK	L1324502-09
			FIELD BLANK	L1324502-10
L1325079	12/10/2013	Water	MW06_20131210	L1325079-01
			DUP02	L1325079-02
			MW07_20131210	L1325079-03
			TRIP BLANK	L1325079-04
			MW01_20131210	L1325079-05
			MW03_20131210	L1325079-06
			MW02_20131210	L1325079-07

SDG#	Date Collected	Matrix	Sample Identification	
			Client ID	Laboratory ID
L1404886	03/07/2014	Soil	EB06_0-2	L1404886-01
			EB06_5-6.5	L1404886-02
			EB06_7.5-9	L1404886-03
			EB05_0-2	L1404886-04
			EB05_5-6.5	L1404886-05
			EB05_12-13.5	L1404886-06
			DUP01_030714	L1404886-07
			EB01_1-3	L1404886-08
			EB01_10-12	L1404886-09
			EB01_15-17	L1404886-10
			EB02_0.5-2	L1404886-11
			EB02_8-10	L1404886-12
			EB02_13-15	L1404886-13
			EB04_0.5-2	L1404886-14
			EB04_9-10	L1404886-15
			EB03_0.5-2	L1404886-16
			EB03_8-10	L1404886-17
L1405435	03/14/2014	Water	MW08_031414	L1405435-01
			MW09_031414	L1405435-02
			MW10_031414	L1405435-03
			MW11_031414	L1405435-04
			MWDUP01_031414	L1405435-05
			TRIP BLANK_031414	L1405435-06

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), herbicides, pesticides/polychlorinated biphenyls (Pesticides/PCBs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Alpha Analytical Laboratories, Inc. located in Westboro, Massachusetts.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-08-01, June 2008.
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, USEPA-540-R-10-011, January 2010.
- *CLP Organics Data Review and Preliminary Review,* SOP No. HW-6 Revision #14, USEPA Region II, September 2006.
- *Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3,* SOP No. HW-2, Revision #13, USEPA Region II, September 2006.

- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, August 2008.

- *Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, SOP No. HW-22 Revision #4, USEPA Hazardous Waste Support Branch, August 2008.

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A*, SOP No. HW-45 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.

- *Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B*, SOP No. HW-44 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Inorganic Parameters

The validation of inorganics for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

1. Holding Times
2. Calibration
   a. Initial Calibration Verification
   b. Continuing Calibration Verification
3. Blank Analysis
4. ICP Interference Check Sample Analysis (ICP only)
5. Matrix Spike Analysis
6. Laboratory Duplicate Analysis
7. Laboratory Control Sample Analysis
8. ICP Serial Dilution Analysis (ICP only)
9. Furnace Atomic Absorption Analysis
10. Method of Standard Addition Results
11. Field Blanks
12. Element Quantification and Reported Detection Limits
13. Document Completeness
14. Overall Data Assessment

1.3.2 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile and Semivolatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

Herbicides/Pesticides/PCBs Analyses

1. Holding Times
2. Instrument Performance
   a. Standards Retention Time Windows
   b. DCBP Retention Time Shift
   c. Baseline Stability
   d. Chromatographic Resolution
3. Calibration
   a. Initial Calibration
   b. Analytical Sequence Verification
   c. Continuing Calibration Verification
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike/Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Compound Identification and Quantification
9. Documentation Completeness
10. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklists are presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Inorganics Analysis

Data validation was performed for thirty-four soil samples, eleven water samples, and one field blank sample for inorganic parameters. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits with the exception of the following:

Matrix Spike Analysis

Matrix spike (MS) recovery criteria requiring spike recoveries to be between 75 and 125 percent were exceeded for several analytes. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Qualification of sample data was not required when the non-spiked sample concentration was greater than four-times the spike solution concentration. Samples qualified due to MS recovery deviations are tabulated below.

Table 2: Inorganics Analysis - Matrix Spike Deviations

MS Sample ID	Inorganic	Percent Recovery	Qualifier	Affected Samples
EB04_9-10	Hexavalent Chromium	62 %	UJ	EB01_15-17 EB02_0.5-2 EB02_8-10 EB02_13-15 EB04_0.5-2 EB04_9-10 EB03_0.5-2 EB03_8-10

The matrix spike analyses for SDG# L1324502 exceeded recovery criteria for several of the analytes with recovery values that were less than the lower limit. The matrix spike samples were from another project and were not representative of the site sample matrix or the field blank, therefore qualification of sample data was not required.

Overall Data Assessment

Overall, the laboratory performed inorganics analyses in accordance with the requirements specified in the methods listed in Section 1.2 of this report. These data have been determined to be usable for qualitative and quantitative purposes with qualification. Sample results for Hexavalent Chromium were qualified based on deviations from matrix spike analysis criteria.

2.2 Volatiles Analysis

Data validation was performed for thirty-four soil samples, eleven water samples, one field blank sample, and three trip blank samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent (30 percent for air/soil vapor analyses), was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Non-detected sample results were rejected (R) for compounds with %D values greater than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 3: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
12/06/2013 (08:54)	Dichlorodifluoromethane	35 %	UJ	SB02_0-1 SB02_6-7 SB03_1-2 SB04_0-1 SB04_5-6 SB05_1-2
12/07/2013 (10:26)	Dichlorodifluoromethane Chloroethane	26 % 30 %	UJ UJ	SB01_10-11 SB02_11-12 DUP01
12/09/2013 (12:18)	Vinyl Chloride Chloroethane	30 % 35 %	UJ UJ	SB03_7-8
12/08/2013 (09:44)	Chloroethane Acetone	35 % 34 %	UJ J, UJ	SB06_1-2 SB07_0-1 SB08_1-2 SB09_1-2 SB09_5-6
12/09/2013 (12:18)	Vinyl Chloride Chloroethane	30 % 35 %	UJ UJ	SB06_5-6
12/10/2013 (08:55)	Chloroethane	29 %	UJ	SB08_10-11
12/08/2013 (09:25)	Dichlorodifluoromethane Bromomethane trans-1,4-Dichloro-2-butene	40 % 41 % 28 %	UJ UJ UJ	TRIP BLANK FIELD BLANK
12/12/2013 (10:31)	2-Butanone 4-Methyl-2-pentanone 2-Hexanone trans-1,4-Dichloro-2-butene	26 % 34 % 29 % 38 %	UJ UJ UJ UJ	MW06_20131210 DUP02 MW07_20131210 TRIP BLANK MW01_20131210 MW03_20131210 MW02_20131210

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
03/10/2014 (14:42)	Acetone 2-Butanone 2-Hexanone	36 % 34 % 27 %	J, UJ J, UJ UJ	EB05_5-6.5 EB05_12-13.5 DUP01_030714 EB01_1-3 EB01_10-12 EB01_15-17 EB02_0.5-2 EB02_13-15 EB04_0.5-2 EB04_9-10 EB03_0.5-2 EB03_8-10
03/11/2014 (07:28)	Acetone	55 %	UJ	EB02_8-10
03/17/2014 (09:31)	Bromomethane Acetone 1,4-Dioxane	35 % 28 % 45 %	UJ J, UJ UJ	MW08_031414 MW09_031414 MW10_031414 MW11_031414 MWDUP01_031414 TRIP BLANK_031414

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 4: Volatile Organics Analysis - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Water	trans-1,4-Dichloro-2-butene	62 %/60 %	70 % to 130 %	UJ	MW06_20131210 DUP02 MW07_20131210 TRIP BLANK MW01_20131210 MW03_20131210 MW02_20131210
Soil	2-Butanone	66 %/65 %	70 % to 130 %	J, UJ	DUP01_030714 EB01_1-3 EB01_10-12 EB01_15-17 EB02_0.5-2 EB02_13-15 EB04_0.5-2 EB04_9-10 EB03_0.5-2 EB03_8-10

Field Duplicate Analysis

Blind duplicate samples were collected to evaluate the precision of the sample collection and analysis procedures. Precision was measured through the relative percent difference (RPD) of detected sample results. A comparison of the blind duplicate samples and the corresponding field samples is presented below for compounds with RPD values greater than 50 percent (100 percent for soil samples).

Table 5: Volatile Organics Analysis - Field Duplicate Deviations

Blind Duplicate ID	Corresponding Sample ID	Parameter	RPD	Qualifier	Affected Samples
DUP02	MW06_20131210	o-Xylene 1,2,4-Trimethylbenzene	200 % 200 %	J, UJ J, UJ	MW06_20131210 DUP02 MW07_20131210 MW01_20131210 MW03_20131210 MW02_20131210
MWDUP01_031414	MW11_031414	Acetone	200 %	J, UJ	MW08_031414 MW09_031414 MW10_031414 MW11_031414 MWDUP01_031414

Overall Data Assessment

Overall, the laboratory performed volatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from continuing calibration, laboratory control sample, and field duplicate criteria.

2.3 Semivolatiles Analysis

Data validation was performed for thirty-four soil samples, eleven water samples, and one field blank sample. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 6: Semivolatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
12/09/2013 (09:48)	Bis(2-chloroisopropyl) ether Hexachlorocyclopentadiene 4,6-Dinitro-o-cresol Di-n-Octylphthalate	26 % 33 % 27 % 30 %	UJ UJ UJ UJ	SB01_10-11 SB02_0-1 SB02_6-7 SB02_11-12 DUP01 SB03_1-2
12/09/2013 (09:20)	Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,6-Dinitrotoluene	41 % 27 % 31 %	UJ UJ	SB02_6-7
12/06/2013 (10:45)	Bis(2-chloroisopropyl) ether	44 %	UJ	SB01_10-11 SB02_0-1 SB02_11-12 DUP01 SB03_1-2
12/07/2013 (11:35)	Bis(2-chloroisopropyl) ether	30 %	UJ	FIELD BLANK
12/09/2013 (18:09)	2,4-Dinitrophenol	35 %	UJ	SB07_0-1
12/11/2013 (16:54)	2,4-Dinitrophenol	39 %	UJ	MW06_20131210 DUP02 MW07_20131210 MW01_20131210 MW03_20131210 MW02_20131210
03/13/2014 (17:37)	Bis(2-chloroisopropyl) ether Hexachlorocyclopentadiene	41 % 31 %	UJ UJ	EB02_0.5-2 EB02_8-10 EB02_13-15 EB04_0.5-2 EB04_9-10 EB03_0.5-2 EB03_8-10
03/14/2014 (08:42)	Hexachlorocyclopentadiene	30 %	UJ	EB04_0.5-2
03/17/2014 (13:08)	Pentachlorophenol	37 %	UJ	MW08_031414 MW09_031414 MW10_031414 MW11_031414 MWDUP01_031414

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 7: Semivolatile Organics Analysis - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Water	Benzoic Acid	0 %/26 %	Not Specified	UJ	MW06_20131210 DUP02 MW07_20131210 MW01_20131210 MW03_20131210 MW02_20131210
Soil	Bis(2-chloroisopropyl) ether	35 %/30 %	40 % to 140 %	UJ	EB04_9-10 EB03_0.5-2 EB03_8-10
Water	Hexachlorocyclopentadiene	31 %/31 %	40 % to 140 %	UJ	MW08_031414 MW09_031414 MW10_031414 MW11_031414 MWDUP01_031414

Sample Dilution

Compound concentrations for several samples exceeded the linear calibration range of the analytical system when analyzed with an un-diluted sample aliquot. The laboratory re-analyzed these samples with a diluted sample aliquot to properly quantify the compound concentration within the range of the analytical system. The laboratory flagged compound concentrations that exceeded the analytical system's calibration range with an "E" qualifier in the un-diluted sample aliquots. The diluted sample results should be used in place of the "E" qualified sample results as shown in the following table.

Table 8: Semivolatile Organics Analysis - Sample Dilution Deviations

Sample ID	Compound	Sample Results (µg/Kg)	
		Un-Diluted	Diluted
SB07_0-1	Fluoranthene	16000 E	16000
	Phenanthrene	18000 E	18000
	Pyrene	19000 E	19000

Overall Data Assessment

Overall, the laboratory performed semivolatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from continuing calibration and laboratory control sample criteria.

2.4 Herbicides/Pesticides/PCBs Analyses

Data validation was performed for thirty-four soil samples, eleven water samples, and one field blank sample. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 9: Herbicides/Pesticides/PCBs Analyses - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Water	Aroclor 1016 Aroclor 1260 (All Aroclors Qualified)	71 %/16 % 83 %/18 %	40 % to 140 % 40 % to 140 %	UJ UJ	MW08_031414 MW09_031414 MW10_031414 MW11_031414 MWDUP01_031414

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory generated control limits. When one or more of the surrogate compounds exceed the recovery limits the associated sample data require qualification. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 10: Herbicides/Pesticides/PCBs Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
SB06_5-6	Decachlorobiphenyl Tetrachloro-m-xylene	29 % 35 %	30 % to 150 % 30 % to 150 %	J, UJ J, UJ	All Aroclors
SB06_5-6RE	Decachlorobiphenyl Tetrachloro-m-xylene	23 % 28 %	30 % to 150 % 30 % to 150 %	J, UJ J, UJ	All Aroclors
SB08_10-11	Decachlorobiphenyl Tetrachloro-m-xylene	22 % 28 %	30 % to 150 % 30 % to 150 %	UJ UJ	All Aroclors
SB08_10-11RE	Decachlorobiphenyl Tetrachloro-m-xylene	11 % 15 %	30 % to 150 % 30 % to 150 %	UJ UJ	All Aroclors

PCB Identification

Detected PCB results are required to have sample concentrations calculated from the primary and secondary (confirmation) chromatographic columns differ by less than 25

percent. Detected sample results that have a confirmation column percent difference (%D) greater than 25 percent require qualification. Qualification of sample data included the approximation of detected results for compounds with %D values greater than 25 percent, but less than 100 percent. Detected results were rejected (R) for compounds with %D values greater than 100 percent when chromatographic interferences were not observed. Samples qualified due to confirmation column percent difference deviations are tabulated below.

Table 11: Herbicides/Pesticides/PCBs Analyses - Compound Identification Deviations

Sample ID	Compound	%D	Qualifier
SB06_5-6	Aroclor 1254	33.8 %	J
MW06_20131210	Alpha-BHC	67.7 %	J
	Heptachlor	77.7 %	J
DUP02	Lindane	95.9 %	R
	Beta-BHC	148.1 %	R

Field Duplicate Analysis

Blind duplicate samples were collected to evaluate the precision of the sample collection and analysis procedures. Precision was measured through the relative percent difference (RPD) of detected sample results. A comparison of the blind duplicate samples and the corresponding field samples is presented below for compounds with RPD values greater than 50 percent (100 percent for soil samples).

Table 12: Herbicides/Pesticides/PCBs Analyses - Field Duplicate Deviations

Blind Duplicate ID	Corresponding Sample ID	Parameter	RPD	Qualifier	Affected Samples
DUP02	MW06_20131210	Heptachlor	200 %	J, UJ	MW06_20131210
		Lindane	200 %	J, UJ	DUP02
					MW07_20131210
					MW01_20131210
					MW03_20131210
					MW02_20131210

Overall Data Assessment

Overall, the laboratory performed Herbicides/Pesticides/PCBs analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with the exception of the detected results for Lindane and Beta-BHC for sample DUP02 which were rejected due to compound identification deviations. Sample results for several compounds were qualified based on deviations from laboratory control sample, surrogate recovery, compound identification, and field duplicate criteria.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability, which was calculated separately for each type of analysis, is tabulated below.

Table 13: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Inorganic Parameters	100 %	None resulting in the rejection of data
Volatile Organics	100 %	None resulting in the rejection of data
Semivolatile Organics	100 %	None resulting in the rejection of data
Herbicides	100 %	None resulting in the rejection of data
Pesticides	99.8 %	Detected results for Lindane and Beta-BHC for sample DUP02 were rejected due to compound identification deviations
PCBs	100 %	None resulting in the rejection of data

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, 0.31 percent of the data were qualified for field duplicate criteria deviations and none of the data were qualified for laboratory duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, 0.086 percent of the analytical data were qualified for deviations from matrix spike recovery criteria; 0.39 percent of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; 0.83 percent of the data were qualified for laboratory control sample deviations; and 1.94 percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The overall percent usability or completeness of the data was 99.98 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

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Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?		X	
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water 0 out of 72 Soils 0 out of 72			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 72 Soils 0 out of 72			

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?		X	
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?	X		
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.3	Are the response factors shown in the Quant Report?	X		

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?	X		
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	X		
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?		X	
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	X		
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?	X		
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	X		
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	X		
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?	X		

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any BNA technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the BNA Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
3.2	Are all the BNA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Were two or more base neutral or acid surrogate compound recoveries out of specification for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?	X		
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
4.3	How many BNA spike recoveries are outside QC limits?			
	Water 0 out of 69 Soils 0 out of 69			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 69 Soils 0 out of 69			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: Has a reagent/method blank analysis been reported per 20 samples of a similar matrix, or concentration level, for each extraction batch?	X		
5.3	Has a BNA method blank been analyzed for each GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for BNAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for BNAs?		X	
6.2	Do any field/rinse blanks have positive BNA results (TCL and/or TIC)?		X	
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Decafluorotriphenylphosphine (DFTPP)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve-hour shift?	X		
7.3	Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 198?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I BNA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Has GPC cleanup been performed on all soil/sediment sample extracts?		X	
8.3	Are the BNA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.4	Are the response factors shown in the Quant Report?	X		
8.5	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.6	Are the lab-generated standard mass spectra of identified BNA compounds present for each sample?	X		
8.7	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.8	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.9	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I, Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?	X		
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	X		
	b. Blanks?	X		
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?		X	
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	X		
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?	X		
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the BNA fraction ?	X		
12.2	Are response factors stable for BNA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	X		
12.3	Are all BNA compound RRFs > 0.01?	X		
12.4	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the BNA fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any semivolatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any semivolatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for BNA analysis?	X		

Data Validation Checklist - Part C: Herbicides/Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or SDG Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?	X		
2.0	**Holding Times**			
2.1	Have any PEST/PCB technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the PEST/PCB Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Soil	X		
3.2	Are all the PEST/PCB samples listed on the appropriate Surrogate Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Soil	X		
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Were surrogate recoveries of TCX or DCB outside of the contract specifications for any sample or method blank? (60-150%)	X		
3.5	Were surrogate retention times (RT) within the windows established during the initial 3-point analysis of Individual Standard Mixture A?	X		
3.6	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?	X		
	a. Low Water	X		
	b. Soil	X		
4.3	How many PEST/PCB spike recoveries are outside QC limits?			
	Water 0 out of 33 Soils 0 out of 33			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 33 Soils 0 out of 33			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		

Data Validation Checklist - Part C: Herbicides/Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
5.2	Frequency of Analysis: For the analysis of Pesticide/PCB TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix or concentration or each extraction batch, whichever is more frequent?	X		
5.3	Has a PEST/PCB instrument blank been analyzed at the beginning of every 12 hr. period following the initial calibration sequence?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for PEST/PCBs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results PEST/PCBs?		X	
6.2	Do any field/rinse blanks have positive PEST/PCB results?		X	
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**Calibration and GC Performance**			
7.1	Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS/MSD?			
	a. Peak resolution check	X		
	b. Performance evaluation mixtures	X		
	c. Aroclor 1016/1260	X		
	d. Aroclors 1221, 1232, 1242, 1248, 1254, 1262, 1268	X		
	e. Toxaphene	X		
	f. Low points individual mixtures A & B	X		
	g. Med points individual mixtures A & B	X		
	h. High points individual mixtures A & B	X		
	I. Instrument blanks	X		
7.2	Are Forms VI - PEST 1-4 present and complete for each column and each analytical sequence?	X		
7.3	Are there any transcription/calculation errors between raw data and Forms VI?		X	
7.4	Do all standard retention times, including each pesticide in each level of Individual Mixtures A & B, fall within the windows established during the initial calibration analytical sequence?	X		
7.5	Are the linearity criteria for the initial analyses of Individual Standards A & B within limits for both columns?	X		
7.6	Is the resolution between any two adjacent peaks in the Resolution Check Mixture > 60.0% for both columns?	X		
7.7	Is Form VII - Pest-1 present and complete for each Performance Evaluation Mixture analyzed during the analytical sequence for both columns?	X		
7.8	Has the individual %breakdown exceeded 20.0% on either column?	X		
	- for 4,4' - DDT?	X		
	- for endrin?	X		

Data Validation Checklist - Part C: Herbicides/Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
	Has the combined %breakdown for 4,4' - DDT/Endrin exceeded 30.0% on either column?		X	
7.9	Are the relative percent difference (RPD) values for all PEM analytes <25.0%?	X		
7.10	Have all samples been injected within a 12 hr. Period beginning with the injection of an Instrument Blank?	X		
7.11	Is Form VII - Pest-2 present and complete for each INDA and INDB Verification Calibration analyzed?	X		
7.12	Are there any transcription/calculation errors between raw data and Form VII - Pest-2?		X	
7.13	Do all standard retention times for each INDA and INDB Verification Calibration fall within the windows established by the initial calibration sequence?	X		
7.14	Are the RPD values for all verification calibration standard compounds <25.0%?	X		
8.0	**Analytical Sequence Check (Form VIII-PEST)**			
8.1	Is Form VIII present and complete for each column and each period of analyses?	X		
8.2	Was the proper analytical sequence followed for each initial calibration and subsequent analyses?	X		
9.0	**Cleanup Efficiency Verification (Form IX)**			
9.1	Is Form IX - Pest-1 present and complete for each lot of Florisil Cartridges used?			X
9.2	Are all samples listed on the Pesticide Florisil Cartridge Check Form?			X
9.3	If GPC Cleanup was performed, is Form IX - Pest-2 present?		X	
9.4	Are percent recoveries (%R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits:			
	80-120% for florisil cartridge check?			X
	80-110% for GPC calibration?			X
10.0	**Pesticide/PCB Identification**			
10.1	Is Form X complete for every sample in which a pesticide or PCB was detected?	X		
10.2	Are there any transcription/calculation errors between raw data and Forms 6E, 6G, 7E, 7D, 8D, 9A, 9B, 10A?		X	
10.3	Are retention times (RT) of the sample compounds within the established windows for both analyses?	X		
10.4	Is the percent difference (%D) calculated for the positive sample results on the two GC columns < 25.0%?		X	
10.5	Check chromatograms for false negatives, especially the multiple peak compounds toxaphene and PCBs. Were there any false negatives?		X	
11.0	**Compound Quantitation and Reported Detection Limits**			
11.1	Are there any transcription/calculation errors in Form I results?		X	
11.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, %moisture?	X		
12.0	**Chromatogram Quality**			
12.1	Were baselines stable?	X		

Data Validation Checklist - Part C: Herbicides/Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
12.2	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.0	**Field Duplicates**			
13.1	Were any field duplicates submitted for PEST/PCB analysis?	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
1.0	**Form I to IX**			
1.1	Are all the Form I through Form IX labeled with:			
	Laboratory Name?	X		
	Case/SAS No.?		X	
	EPA sample No.?		X	
	SDG No.?	X		
	Contract No.?	X		
	Correct units?	X		
	Matrix?	X		
1.2	Do any computer/transcription errors exceed 10% of reported values on Forms I-IX for:			
	A. All analytes analyzed by ICP?		X	
	B. All analytes analyzed by GFAA?			X
	C. All analytes analyzed by AA Flame?			X
	D. Mercury?	X		
	E. Cyanide?	X		
2.0	**Raw Data**			
2.1	Digestion Log for flame AA/ICP (Form XIII) present?	X		
2.2	Digestion Log for furnace AA (Form XIII) present?			X
2.3	Distillation Log for mercury (Form XIII) present?	X		
2.4	Distillation Log for cyanides (Form XIII) present?	X		
2.5	Are pH values (pH<2 for all metals, pH>12 for cyanide) present?	X		
2.6	Percent solids calculation dates present on sample preparation logs/bench sheets?	X		
2.7	Are preparation dates present on sample preparation logs/bench sheets?	X		
2.8	Measurement read out record present?			
	A. ICP	X		
	B. Flame AA			X
	C. Furnace AA			X
	D. Mercury	X		
	E. Cyanides	X		
2.9	Are all raw data to support all sample analyses and QC operations present?	X		
3.0	**Holding Times**			
3.1	A. Mercury analysis (28 days) .....exceeded?		X	
	B. Cyanide distillation (14 days) .....exceeded?		X	
	C. Other Metals analysis (6 months) .....exceeded?		X	
3.2	Is pH of aqueous samples for:			
	A. Metals Analysis >2?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	B. Cyanides Analysis <12?		X	
4.0	**Form I (Final Data)**			
4.1	Are all Forms I's present and complete?	X		
4.2	Are correct units (ug/l for waters and mg/kg for soils) indicated on Form I's?	X		
4.3	Are soil sample results for each parameter corrected for percent solids?	X		
4.4	Are all "less than IDL" values properly coded with "U"?	X		
4.5	Are the correct concentration qualifiers used with final data?	X		
4.6	Are EPA sample #s and corresponding laboratory sample ID #s the same as on the Cover Page, Form I's and in the raw data?	X		
4.7	Was a brief physical description of samples given on Form I's?	X		
4.8	Was the dilution of any sample diluted beyond the requirements of the contract noted on Form I or Form XIV?		X	
5.0	**Calibration**			
5.1	Is record of at least 2 point calibration present for ICP analysis?	X		
5.2	Is record of 5 point calibration present for Hg analysis?	X		
5.3	Is record of 4 point calibration present for:			X
	Flame AA?			X
	Furnace AA?			X
	Cyanides?	X		
5.4	Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	X		
5.5	Is correlation coefficient less than 0.995 for:			
	Mercury Analysis?	X		
	Cyanide Analysis?			X
	Atomic Absorption Analysis?			X
5.6	In the instance where less than 4 standards are measured in absorbance (or peak area, peak height, etc.) Mode, are remaining standards analyzed in concentration mode immediately after calibration within +/- 10% of the true values?			X
6.0	**Form II A (Initial and Continuing Calibration Verification)**			
6.1	Present and complete for every metal and cyanide?	X		
6.2	Present and complete for AA ICP when both are used for the same analyte?			X
6.3	Are all calibration standards (initial and continuing) within control limits:			
	Metals - 90 - 110 %R	X		
	Hg - 80 - 120 %R	X		
	Cyanides - 85 - 115 %R	X		
6.4	Was continuing calibration performed every 10 samples or every 2 hours?	X		
6.5	Was ICV for cyanides distilled?	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
7.0	**Form II B (CRDL Standards for AA and ICP)**			
7.1	Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	X		
7.2	Was a mid range calibration verification standard distilled and analyzed for cyanide analysis?	X		
7.3	Was a 2xCRDL (or 2xIDL when IDL>CRDL) analyzed (CRI) for each ICP run?	X		
7.4	Was CRI analyzed after ICV/ICB and before the final CCV/CCB, and twice every eight hours of ICP run?	X		
7.5	Are CRA and CRI standards within control limits: Metals 70 – 130 %R?	X		
7.6	Is mid-range standard within control limits: Cyanide 70 - 130 %R?	X		
8.0	**Form III (Initial and Continuing Calibration Blanks)**			
8.1	Present and complete?	X		
8.2	For both AA and ICP when both are used for the same analyte?			X
8.3	Was an initial calibration blank analyzed?	X		
8.4	Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	X		
8.5	Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	X		
8.6	Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?			X
9.0	**Form III (Preparation Blank)**			
9.1	Was one preparation blank analyzed for:			
	each Sample Delivery Group?	X		
9.2	Is concentration of preparation blank value greater than the CRDL when IDL is less than or equal to CRDL?		X	
9.3	If yes, is the concentration of the sample with the least concentrated analyte less than 10 times the preparation blank?			X
9.4	Is concentration of preparation blank value (Form III) less than two times IDL, when IDL is greater than CRDL?			X
9.5	Is concentration of preparation blank below the negative CRDL?		X	
10.0	**Form IV (Interference Check Sample)**			
10.1	Present and Complete?	X		
10.2	Are all Interference Check Sample results inside the control limits (+/- 20%)?	X		
10.3	If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?			X
11.0	**Form V A (Spiked Sample recovery - Pre-Digestion/Pre-Distillation**			
11.1	Present and complete for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	For both AA and ICP when both are used for the same analyte?			X
11.2	Was field blank used for spiked sample?		X	
11.3	Are all recoveries within control limits?		X	
11.4	If no, is sample concentration greater than or equal to four times spike concentration?	X		
12.0	**Form VI (Lab Duplicates)**			
12.1	Present and complete for :			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
	both AA and ICP when both are used for the same analyte?			X
12.2	Was field blank used for duplicate analysis?		X	
12.3	Are all values within control limits (RPD 20% or difference </= +/-CRDL)?	X		
12.4	If no, are all results outside the control limits flagged with an * on Form I's and VI?			X
13.0	**Field Duplicates**			
13.1	Were field duplicates analyzed?	X		
13.2	**Aqueous**			
	Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?		X	
	Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?		X	
13.3	**Soil/Sediment**			
	Is any RPD (where sample and duplicate are both greater than 5 times CRDL): >100%?		X	
	Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL): >2x CRDL?		X	
14.0	**Form VII (Laboratory Control Sample)**			
14.1	Was one LCS prepared and analyzed for:			
	each SDG?	X		
	each batch samples digested/distilled?	X		
	both AA and ICP when both are used for the same analyte?			X
14.2	**Aqueous LCS**			
	Is any LCS recovery:			
	less than 50%?		X	
	between 50% and 79%?		X	
	between 121% and 150%?		X	
	greater than 150%?		X	
14.3	**Solid LCS**			
	Is LCS "Found" value higher than the control limits on Form VII?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	Is LCS "Found" value lower than the control limits on Form VII?	X		
15.0	**Form IX (ICP Serial Dilution)**			
15.1	Was serial dilution analysis performed for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
15.2	Was field blank(s) used for Serial Dilution Analysis?		X	
15.3	Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater?			X
15.4	Are any %difference values:			
	>10%		X	
	>/=100%		X	
16.0	**Furnace Atomic Absorption (AA) QC Analysis**			
16.1	Are duplicate injections present in furnace raw data for each sample analyzed by GFAA?			X
16.2	Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or Coefficient of Variation (CV) for concentration greater than CRDL?			X
16.3	Was a dilution analyzed for sample with analytical spike recovery less than 40%?			X
16.4	Is analytical spike recovery outside the control limits (85 - 115%) for any sample?			X
17.0	**Form VIII (Method of Standard Addition Results)**			
17.1	Present?			X
17.2	If no, is any Form I result coded with "S" or a "+"?			X
17.3	Is coefficient of correlation for MSA less than 0.990 for any sample?			X
17.4	Was MSA required for any sample but not performed?			X
17.5	Is coefficient of correlation for MSA less than 0.995?			X
17.6	Are MSA calculations outside the linear range of the calibration curve generated at the beginning of the analytical run?			X
17.7	Was proper Quantitation procedure followed correctly as outlined in the SOW on page E-23?			X
18.0	**Dissolved/Total or Inorganic/Total Analytes**			
18.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?		X	
18.2	Were any analyses performed for inorganic as well as total (organic and inorganic) analytes on the same sample(s)?	X		
18.3	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 10%?		X	
18.4	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 50%?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
19.0	**Form I (Field Blank)**			
19.1	Is field blank concentration less than CRDL (or 2 x IDL when IDL>CRDL) for all parameters of associated aqueous and soil samples?	X		
19.2	If no, was field blank value already rejected due to other QC criteria?		X	
20.0	**Form X, XI, XII (Verification of Instrumental Parameters)**			
20.1	Is verification report present for:			
	Instrument Detection Limits (quarterly)?	X		
	ICP Interelement Correction Factors (annually)?	X		
	ICP Linear Ranges (quarterly)?	X		
21.0	**Form X (Instrument Detection Limits)**			
21.1	Are IDLs present for:			
	all the analytes?	X		
	all the instruments used?	X		
	For both AA and ICP when both are used for the same analyte?			X
21.2	Is IDL greater than CRDL for any analytes?		X	
21.3	If yes, is the concentration on Form I of the sample analyzed on the instrument whose IDL exceeds CRDL, greater than 5 x IDL?			X
22.0	**Form XI (Linear Ranges)**			
22.1	Was any sample result higher than the high linear range of ICP?		X	
22.2	Was any sample result higher than the highest calibration standard for non-ICP parameters?		X	
22.3	If yes for any of the above, was the sample diluted to obtain the result on Form I?			X
23.0	**Percent Solids of Sediments**			
23.1	Are percent solids in sediment(s):			
	<50%?		X	
	<10%?		X	

Data Usability Summary Report

27-21 44TH Drive Site
Queens, New York

Soil Vapor Samples
SDG# L1325098
SDG# L1405059

May 2014

EnviroAnalytics
Data Management and Validation Service

2638 Sunset Avenue
Utica, New York 13502

Data Usability Summary Report

Soil Vapor Samples
SDG# L1325098
SDG# L1405059

27-21 44TH Drive Site
Queens, New York

Prepared By:

EnviroAnalytics
Data Management and Validation Service
2638 Sunset Avenue
Utica, New York 13502

EXECUTIVE SUMMARY

This report addresses data quality for air samples collected at the 27-21 44TH Drive site located in Queens, New York. The samples were analyzed for TO-15 volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Langan Engineering & Environmental Services of New York, New York. Analytical services were provided by Alpha Analytical Laboratories, Inc. located in Westborough, Massachusetts.

The TO-15 volatile organic analyses data were determined to be usable for qualitative and quantitative purposes with the exception of the non-detected Vinyl Acetate results for five samples that were rejected due to continuing calibration deviations. Qualification of sample data included the approximation of sample results for several compounds due to deviations from continuing calibration criteria.

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Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for air samples at the 27-21 44TH Drive site located in Queens, New York. The samples were analyzed for TO-15 volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Langan Engineering & Environmental Services of New York, New York. Analytical services were provided by Alpha Analytical Laboratories, Inc. located in Westborough, Massachusetts. The quantity and type of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
L1325098	12/10/2013	Air	SV01_20131210	L1325098-01
			SV02_20131210	L1325098-02
			SV03_20131210	L1325098-03
			SV04_20131210	L1325098-04
			AMBIENT	L1325098-05
L1405059	03/07/2014	Air	SV10_030714	L1405059-01
			AA01_030714	L1405059-02
			SV09_030714	L1405059-03
			SV07_030714	L1405059-04
			SV11_030714	L1405059-05
			SV05_030714	L1405059-06
			SV06_030714	L1405059-07
			SV08B_030714	L1405059-08

1.2 Analytical Methods

The samples were analyzed for TO-15 volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Alpha Analytical Laboratories, Inc. located in Westborough, Massachusetts.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review,* SOP No. HW-6 Revision #14, USEPA Region II, September 2006.

- *Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15*, SOP No. HW-31 Revision #4, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

TO-15 Volatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Volatile Organics Analysis

Data validation was performed for thirteen soil vapor samples. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits. The overall data assessment is presented below.

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 30 percent, was exceeded for several compounds. Sample qualification included the approximation (UJ) of results when %D criteria were exceeded, but were less than 90 percent. Non-detected sample results with a %D greater than 90 percent were rejected (R). Samples requiring qualification due to these deviations are tabulated below.

Table 2: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
12/11/2013 (14:04)	Vinyl Acetate 1,2,4-Trichlorobenzene	139.2 % 33.6 %	R UJ	SV01_20131210 SV02_20131210 SV03_20131210 SV04_20131210 AMBIENT

Overall Data Assessment

Overall, the laboratory performed TO-15 volatile organic analyses in accordance with the requirements specified in the methods listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with the exception of the non-detected Vinyl Acetate results for five samples that were rejected due to continuing calibration deviations. Qualification of sample data included the approximation of sample results for several compounds due to deviations from continuing calibration criteria.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 3: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
TO-15 Volatile Organics	99.4 %	Non-detected Vinyl Acetate results for five samples were rejected due to continuing calibration deviations

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for laboratory duplicate criteria deviations and none of the data were qualified for field duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; none of the data were qualified for laboratory control sample deviations; and 1.21 percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials

for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 99.4 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

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I.	Part A: TO-15 VOA Analyses	2

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Data Completeness and Deliverables**			
1.1	Have any missing deliverables been received and added to the data package?		X	
2.0	**Cover Letter, Narrative, and Data Reporting Forms**			
2.1	Is the Lab. Narrative and Cover Page Present?	X		
2.2	Is Case Number contained in the Narrative?	X		
2.3	Are the following Data Reporting Forms present?			
	Analysis Data Sheet [Form I/Equivalent]	X		
	Tentatively Identified Compounds [Form I-TIC]	X		
	Blank Summary [Form IV/Equivalent]	X		
	Laboratory Control Sample Data Sheet [Form III/Equivalent]	X		
	GC/MS Instrument Performance Check and Mass Calibration [Form V/Equivalent]	X		
	Initial Calibration [Form VI/Equivalent]	X		
	Continuing Calibration [Form VII/Equivalent]	X		
	Internal Standard Area and RT Summary [Form VIII/Equivalent]	X		
	Canister Certification [Form IX/Equivalent]	X		
3.0	**Canister Receipt/Log-in Sheet**			
3.1	Do all info items agree with each sample?	X		
4.0	**Traffic Reports and Laboratory Narrative**			
4.1	Are the Traffic Report Forms present for all samples?	X		
5.0	**Holding Times**			
5.1	Have any VOA technical holding times of 30 days, determined from the date of sample collection to the date of analysis, been exceeded?		X	
6.0	**Leak Test Evaluation**			
6.1	Did the pressure test not vary by more than ± 13.8 kPa (± 2 psi) over the 24 hours period?	X		
7.0	**Canister Certification Form IX/Equivalent**			
7.1	Blank Analysis			
	Were the target analytes < the required detection limits specified in the task order?	X		
7.2	Is the canister certification form provided, and the associated canister sample identification included? When contamination, included contamination detected (all raw data), analyte and reference mass spectra.	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
8.0	**Laboratory Control Samples**			
8.1	Is an LCS Data Sheet [Form III/Equivalent] present and complete for each LCS?	X		
8.2	Was an LCS prepared (10 ppbv total scan, 0.1 ppbv SIM) and analyzed at the required frequency (once per 24 hour analytical sequence, and concurrently with the samples in the SDG)?	X		
8.3	Are there any transcription/calculation errors between the raw data and Form III/Equivalent?		X	
8.4	Is the % recovery within 70 – 130 % for each LCS target compound reported on Form III/Equivalent?	X		
8.5	Is the RT of each reported LCS compound within the windows established during the most recent valid calibration?	X		
8.6	Do the Internal Standards meet the requirements specified in Sections 18.1 and 18.2?	X		
9.0	**GC/MS Instrument Performance Check**			
9.1	Are the GC/MS Instrument Performance Check Forms [Form V/Equivalent] present for Bromofluorobenzene (BFB)?	X		
9.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the 50 ng BFB provided for each twenty-four hour shift?	X		
9.3	Has the instrument performance compound been analyzed for every twenty-four hours of sample analysis per instrument?	X		
9.4	Have the ion abundances been normalized to m/z 95?	X		
9.5	Have the ion abundance criteria been met for each instrument used?	X		
9.6	Are there any transcription/calculation errors between mass lists and Form Vs?		X	
9.7	Have the appropriate number of significant figures (two) been reported?	X		
9.8	Are the spectra of the mass calibration compound acceptable?	X		
10.0	**Performance Evaluation Sample (Optional)**			
10.1	Was a PE sample submitted from the Agency with each SDG?			X
10.2	Do the Internal Standards meet the requirements specified in Section 18.1 and 18.2?			X
11.0	**Laboratory Method Blanks**			
11.1	Is an Analysis Data Sheet [Form IV/Equivalent] present and complete for each method blank?	X		
11.2	Frequency of Analysis:			
	Has a method blank analysis been reported per instrument for each 24-hour analytical sequence?	X		
	Has a method blank been analyzed after the initial calibration or a valid calibration check standard, and before the LCS, prior to sample analysis?	X		
11.3	Is the chromatographic performance (baseline stability) for each instrument acceptable?	X		
11.4	Was the area response of each Internal Standard (IS) in the blank within ± 40 % of the mean area response of the IS of the most recent valid calibration?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
11.5	Were the RTs of each IS within ± 0.33 min (20 sec.) between blanks and most recent valid calibration?	X		
12.0	**Blank Contamination**			
12.1	Do any method blanks have positive target and non-target VOA results?		X	
13.0	**Target Compound Analytes**			
13.1	Are the Organic Analysis Data Sheets [Form I/Equivalent], VOA chromatograms, and data system printouts present and complete with required header information for each of the following:			
	a. Samples?	X		
	b. Method blanks?	X		
	c. Laboratory Control Sample (LCS)?	X		
	d. Performance Evaluation Sample (PES)?	X		
13.2	Is the chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other?			X
13.3	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.4	Is the sample component relative retention time (RRT) within ± 0.06 RRT units of the RRT of the standard component from the most recent continuing calibration?	X		
13.5	Was Nafion dryer used?			X
14.0	**Tentatively Identified Compounds (TIC)**			
14.1	Are all Tentatively Identified Compound Forms [Form I-TIC] present and are retention time, estimated concentration and "JN" qualifier listed corresponding to each TIC?			X
14.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following?			
	a. Samples			X
	b. Blanks			X
14.3	Are all ions present in the reference mass spectrum with a relative intensity greater than 10 % also present in the sample mass spectrum?			X
14.4	Do TIC and "best match" standard relative ion intensities agree within 20 %?			X
15.0	**Initial Calibration and System Performance [Form VI/Equivalent]**			
15.1	Were each GC/MS system calibrated at 5 concentrations that span the monitoring range of the interest in an initial calibration sequence to determine the sensitivity and the linearity of the GC/MS response for the target compounds?	X		
15.2	Was the same volume introduced into the trap consistently for all field and QC-sample analyses?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
15.3	Was the area response (Y) at each calibration level within ± 40 % of the mean area response (mean Y) over the initial calibration range for each Internal Standard?	X		
	Did the laboratory tabulate the area response (Y) of the primary ions and the corresponding concentration for each compound and Internal Standard?	X		
15.4	Are the relative retention times (RRTs) for each of the target compounds at each calibration level within ± 0.06 RRT units of the mean relative retention time for the compound?	X		
15.5	Are all individual RRF and average RRFs ≥ 0.050?	X		
15.6	Are the response factors (RF) stable i.e., % Relative Standard Deviation (%RSD) ≤ 40.0 %?	X		
15.7	Are there any transcription/calculation errors in the reporting of average response factors (RRFs) or %RSDs?		X	
15.8	Are the RT shift for each Internal Standard (IS) at each calibration level within 20 seconds of the mean RT over the initial calibration range of each IS?	X		
16.0	**Daily Calibration (Form VII/Equivalent)**			
16.1	Are the daily Calibration Forms [Form VII/Equivalent] present and complete for the volatile fraction?	X		
16.2	Has the daily calibration standard (20 ppbv total scan, 0.1 ppbv SIM) been analyzed for every twenty-four hours of sample analysis per instrument after the BFB tuning analysis?	X		
16.3	Do any volatile compounds have a % Difference (%D) between the initial and daily RRFs which exceed the ± 30 % criteria?	X		
16.4	Are there any transcription/calculation errors in the reporting of the average response factors (RRF) or % difference (%D) between initial and daily RRFs?		X	
17.0	**Compound Quantitation and Reported Detection Limits**			
17.1	Are there any transcription/calculations errors in Form I results?		X	
17.2	Are the reported detection limits adjusted to reflect sample dilutions?	X		
17.3	Have any target compound concentrations exceeded the calibration range of the GC?		X	
17.4	Was more than one method of quantitation used to calculate sample results within a batch or 24-hour analytical sequence?		X	
17.5	Did the lab report the target compounds below CRQLs with the suffix "J"?			X
18.0	**Internal Standards (Form VIII/Equivalent)**			
18.1	Are the 3 internal standard areas [Form VIII] of every sample, LCS, PE, and blank within the upper and lower limits (+ 40 % to – 40 %) for each continuing calibration or 10 ppbv level of initial calibration?	X		
18.2	Are the internal standard retention times in each sample, LCS, PE, and blank within 20 seconds of the corresponding retention times in the associated calibration standard?	X		
19.0	**Mass Spectral Interpretation/Identification**			
19.1	Are the Organic Analysis Data Sheets present with required header information on each page, for each of the following:			
	a. Samples and/or fractions as appropriate?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant reports) included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	X		
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.3	Is chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other:			X
19.4	Are the lab-generated standard mass spectra of the identified compounds present for each sample?	X		
19.5	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
19.6	Are all ions present in the reference standard mass spectrum at a relative intensity greater than 10 % also present in the sample mass spectrum?	X		
19.7	Do sample and reference standard relative ion intensities agree within ± 20 %?	X		
20.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?		X	

APPENDIX J DER-10 APPENDIX 3C

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13	2
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5.	Has the contamination gone off-site?	6	14
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14.	No Fish and Wildlife Resources Impact Analysis needed.		

Appendix D Sanborn Fire Insurance Maps

27-21 44th Drive and 44-18 Purves Street
44-18 Purves Street
Long Island City, NY 11101

Inquiry Number: 3798265.3
December 02, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/13

Site Name:
27-21 44th Drive and 44-18
44-18 Purves Street
Long Island City, NY 11101

Client Name:
Langan Engineering, Inc.
360 W. 31st Street
New York, NY 10001

EDR Inquiry # 3798265.3

Contact: Jessica Alzamora

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Langan Engineering, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 27-21 44th Drive and 44-18 Purves Street
Address: 44-18 Purves Street
City, State, Zip: Long Island City, NY 11101
Cross Street:
P.O. # 170281401
Project: 27-21 44th Drive
Certification # D3A8-4CA6-9D89

Maps Provided:

2006	1999	1991	1980	1936
2005	1996	1990	1979	1915
2004	1995	1989	1977	1898
2003	1994	1988	1970	
2002	1993	1986	1950	
2001	1992	1985	1947	

Sanborn® Library search results
Certification # D3A8-4CA6-9D89

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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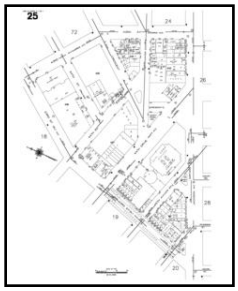

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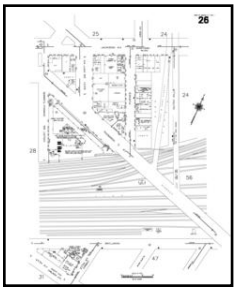

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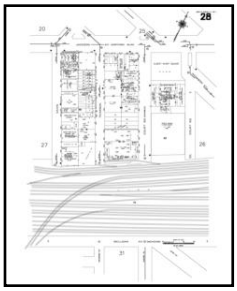

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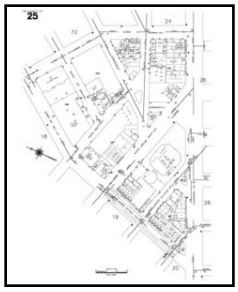

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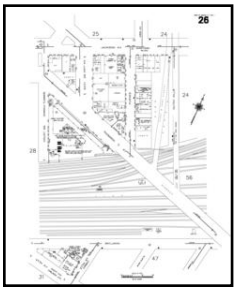

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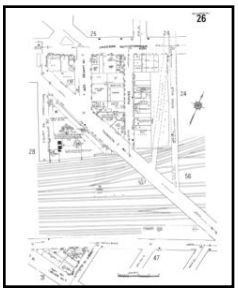

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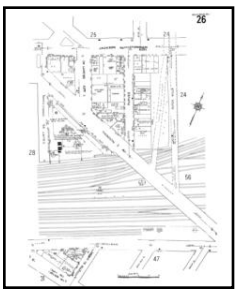

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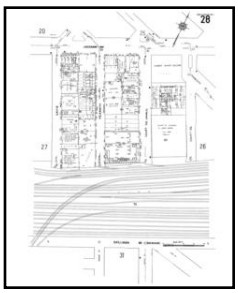

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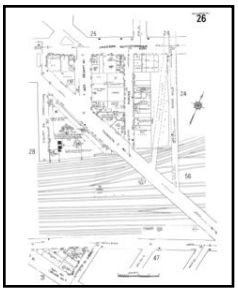

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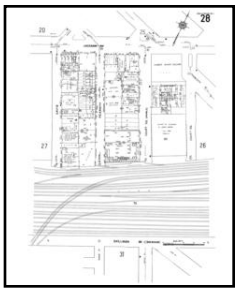

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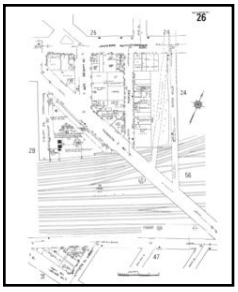

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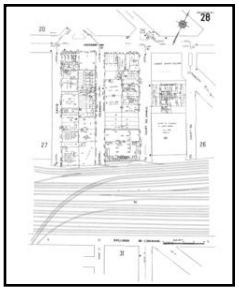

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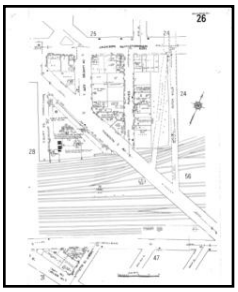

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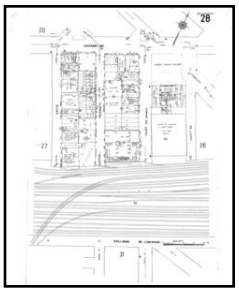

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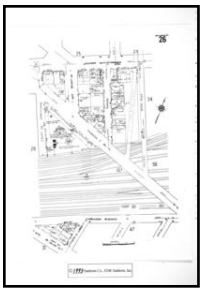

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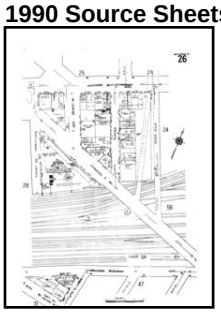

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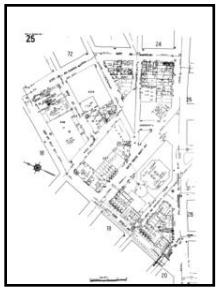

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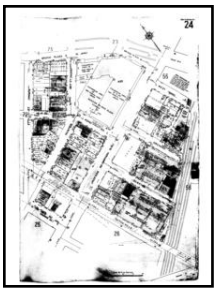

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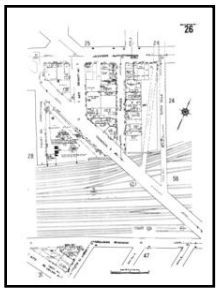

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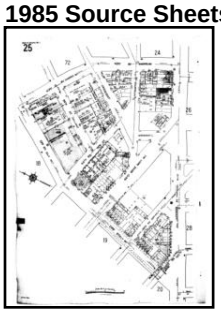

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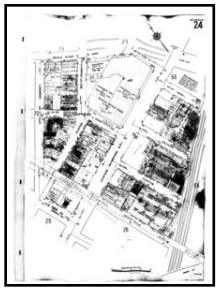

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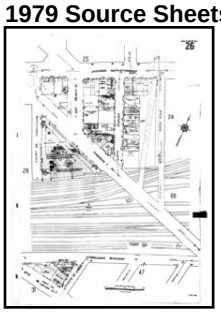

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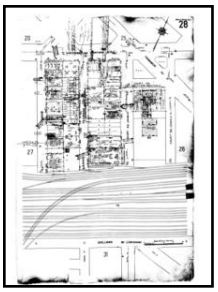

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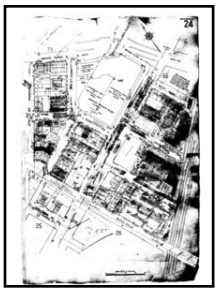

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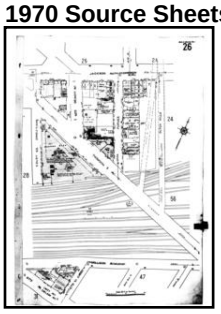
1970 Source Sheets



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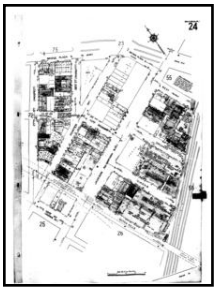

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1950 Source Sheets

Volume 1, Sheet 24

Volume 1, Sheet 25

Volume 1, Sheet 26

1947 Source Sheets

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Volume 1, Sheet 26

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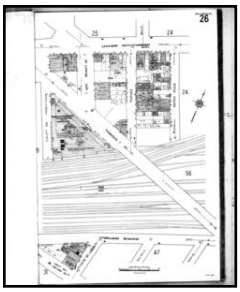
Volume 1, Sheet 24

Volume 1, Sheet 25



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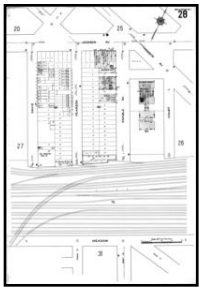

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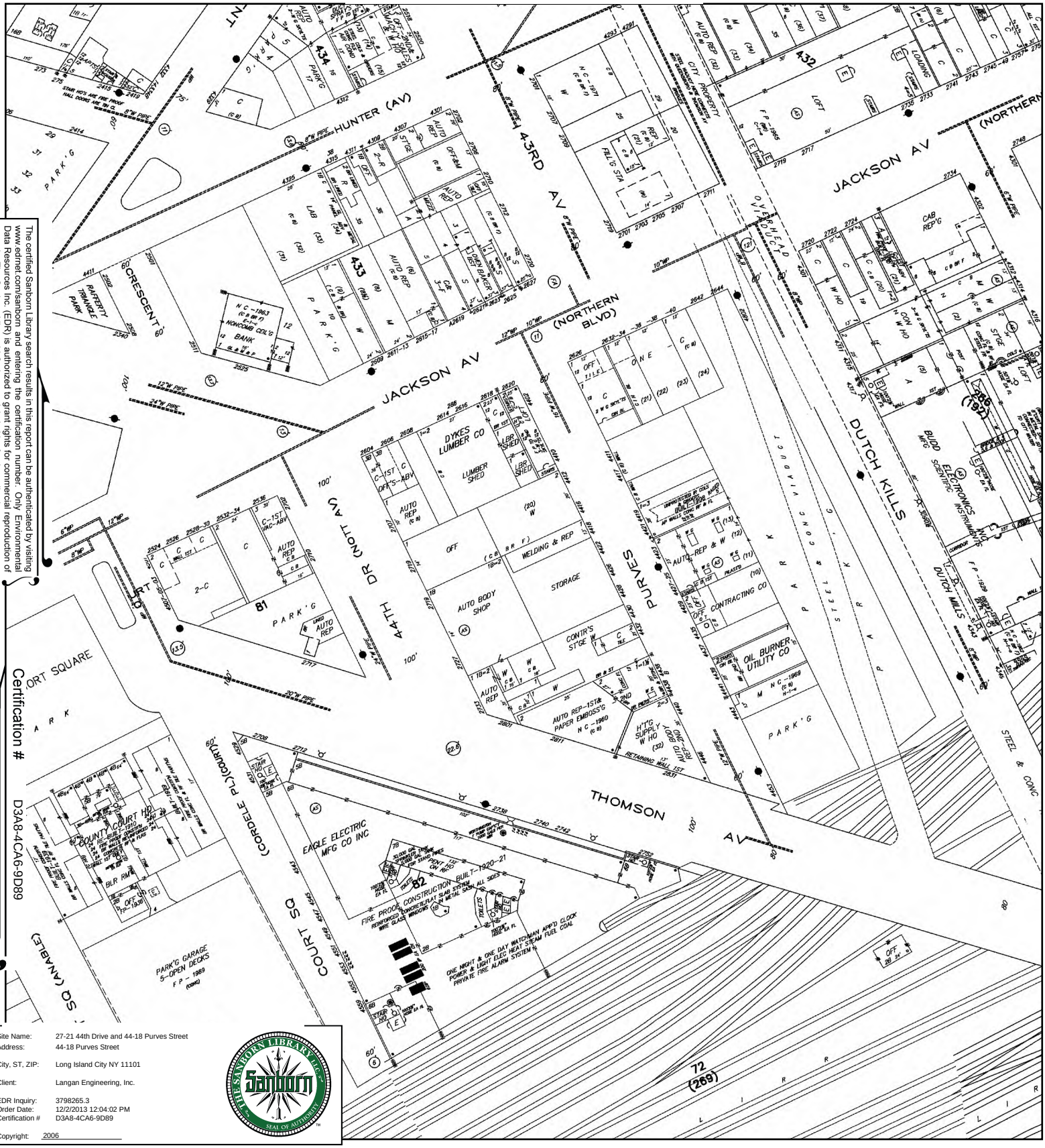

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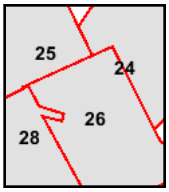

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0 Feet 150 300 600

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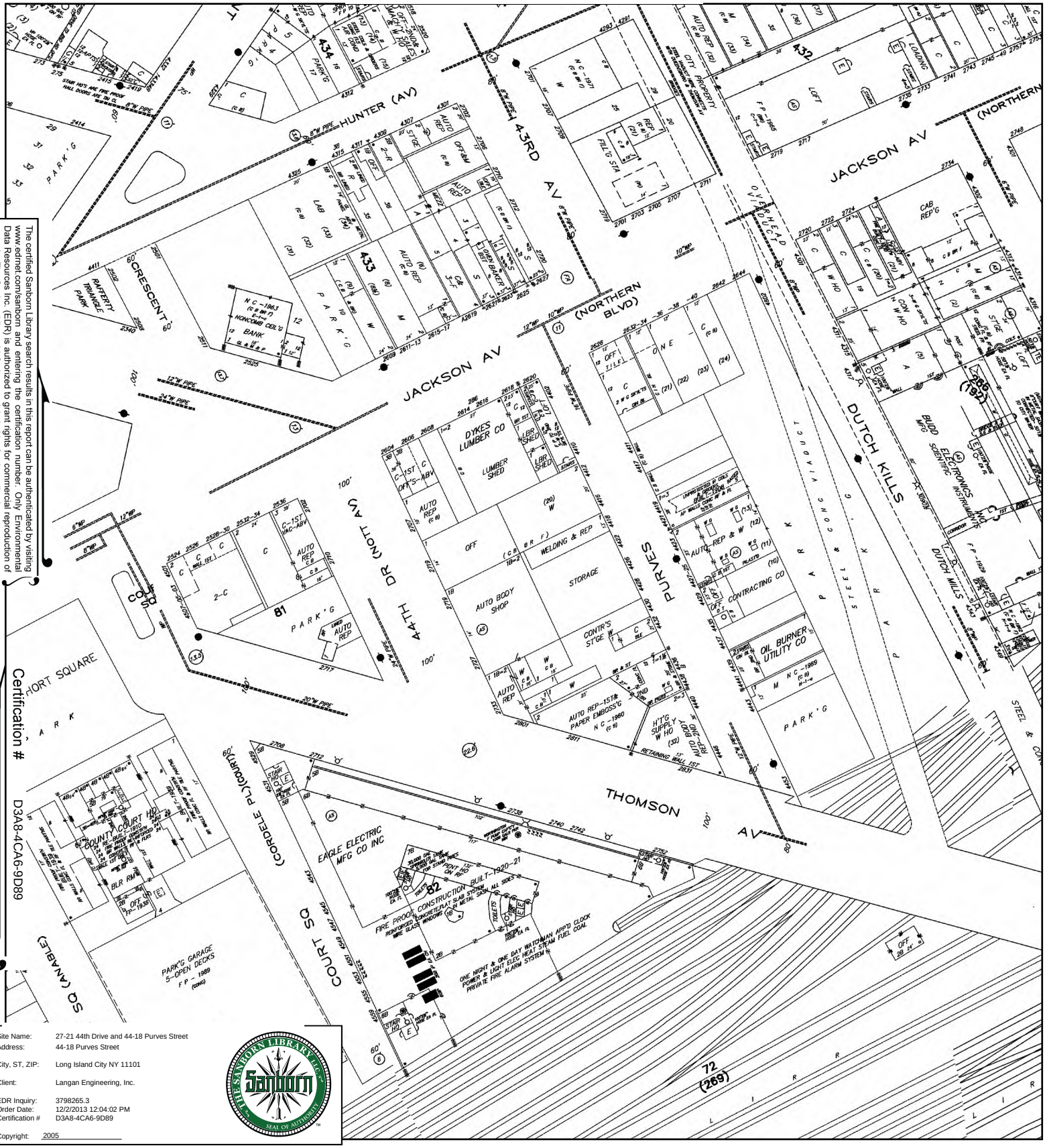
2005 Certified Sanborn Map



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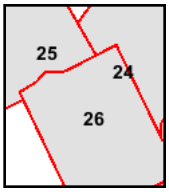

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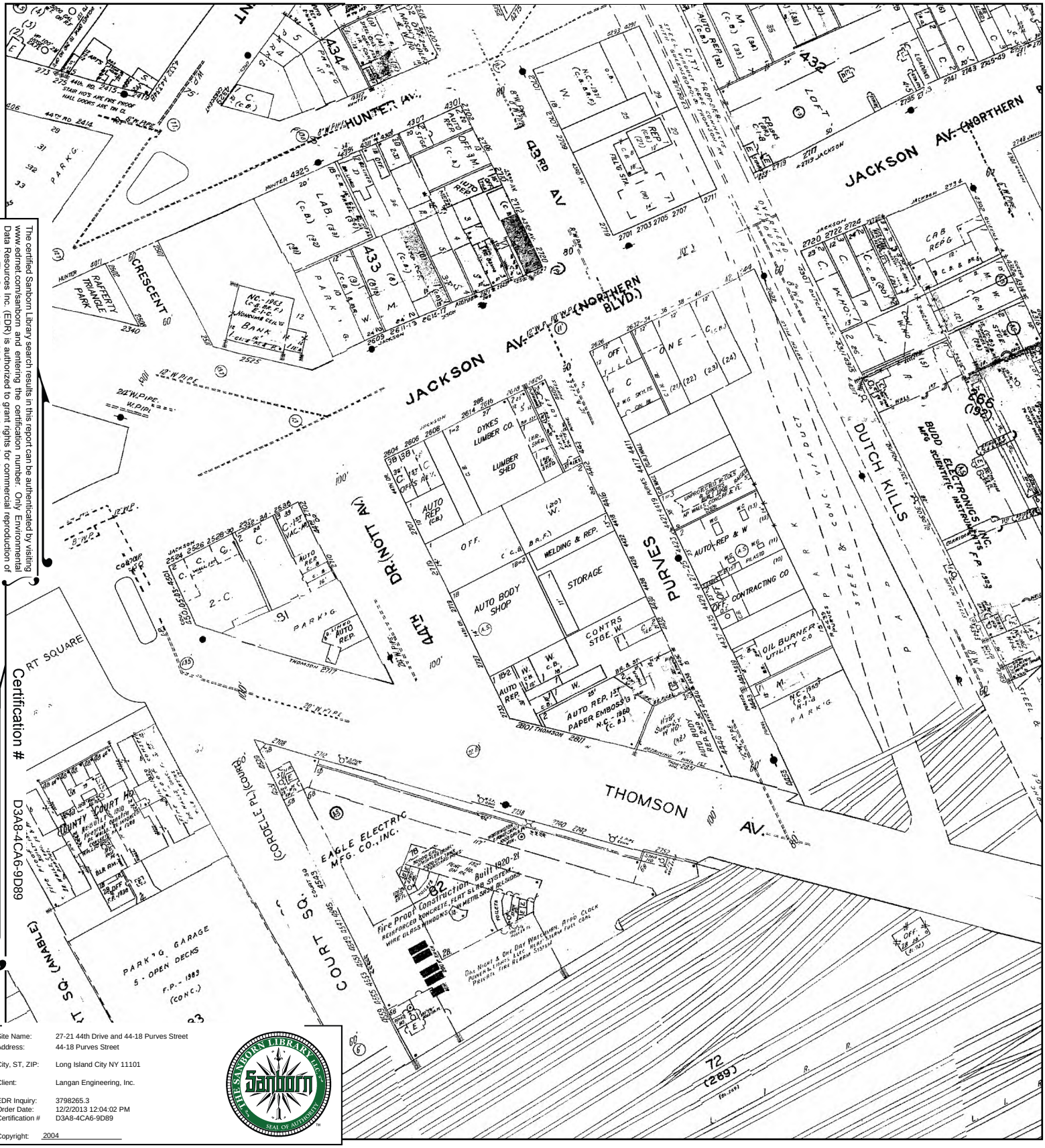
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JACKSON AV. (NORTHERN BLVD.)
HUNTER AV.
CRESCENT
RAFFERTY TRIANGLE PARK
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DRAKE
DRAKE
DRAKE

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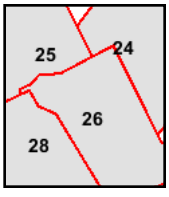

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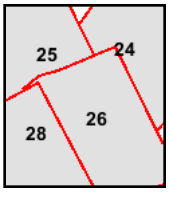

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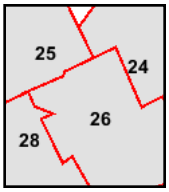

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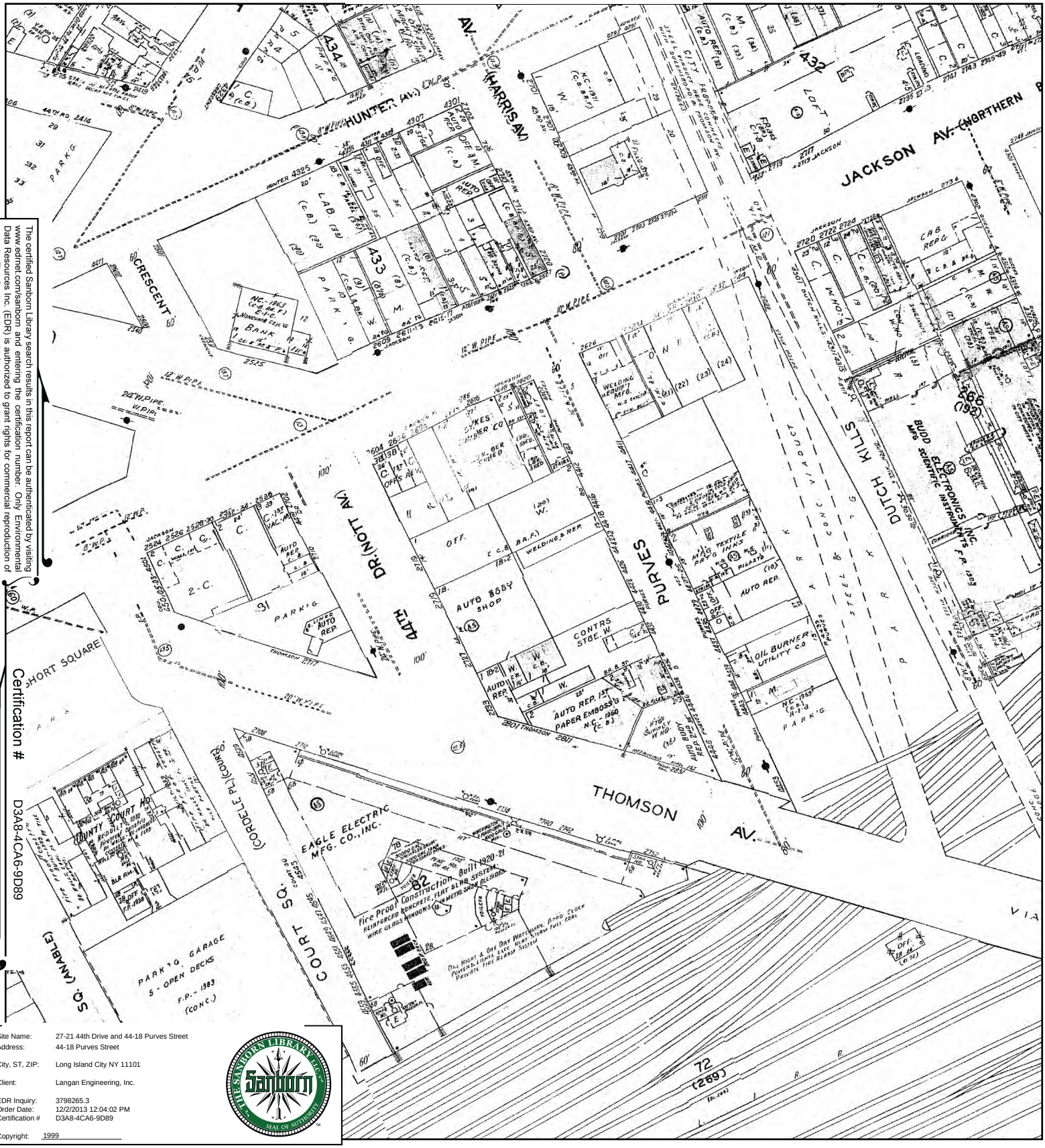

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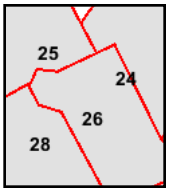

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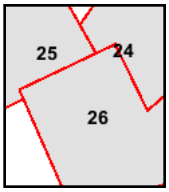

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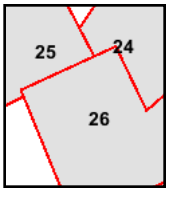

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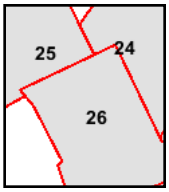

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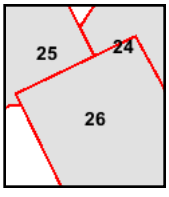

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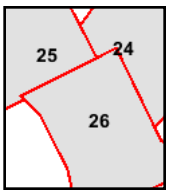

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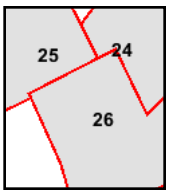

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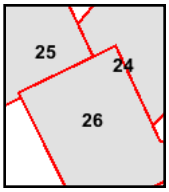

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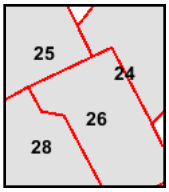

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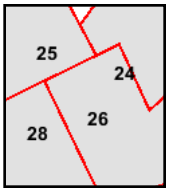

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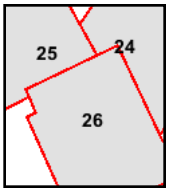

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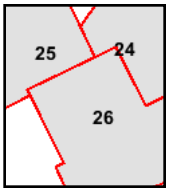

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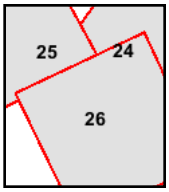

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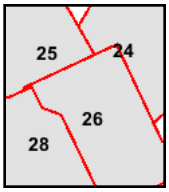

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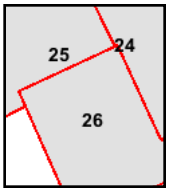

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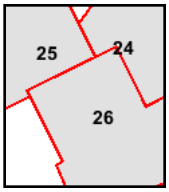

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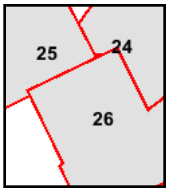

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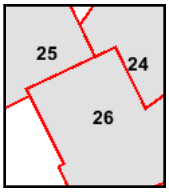

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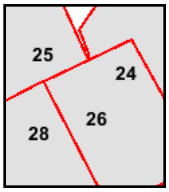

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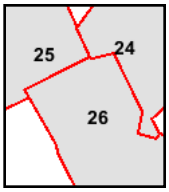

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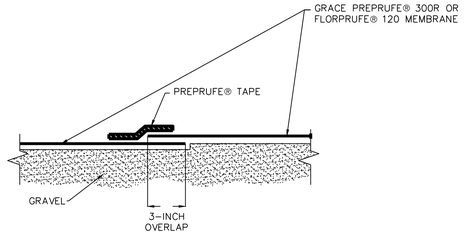
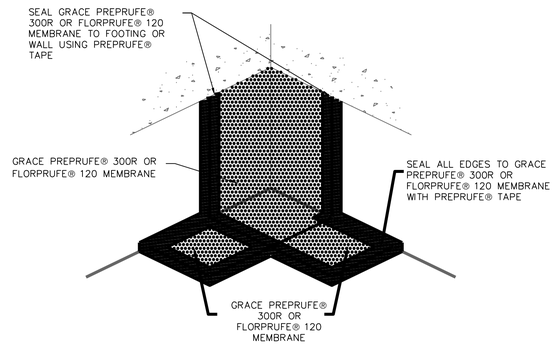
Appendix E Vapor Barrier Details



DETAIL 1: TYPICAL VAPOR BARRIER ASSEMBLY AT SEAMS (TAPE LAP METHOD)

NOT TO SCALE



DETAIL 2: TYPICAL VAPOR BARRIER ASSEMBLY AT INSIDE CORNER

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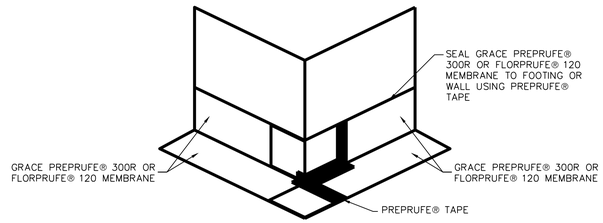

DETAIL 3: TYPICAL VAPOR BARRIER ASSEMBLY AT OUTSIDE CORNER

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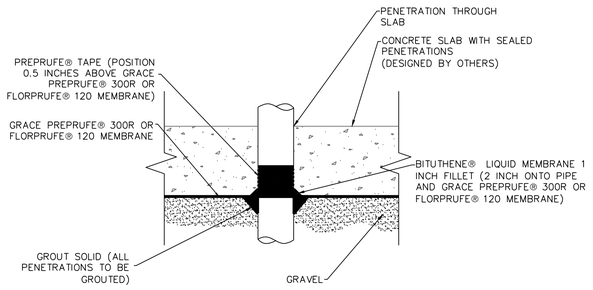

DETAIL 4: TYPICAL VAPOR BARRIER ASSEMBLY AT PENETRATION

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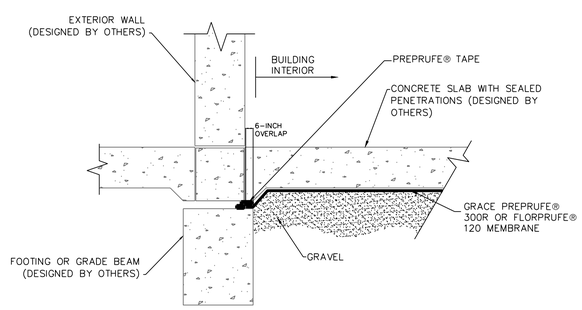

DETAIL 5: TYPICAL VAPOR BARRIER ASSEMBLY AT EXTERIOR FOUNDATION WALL

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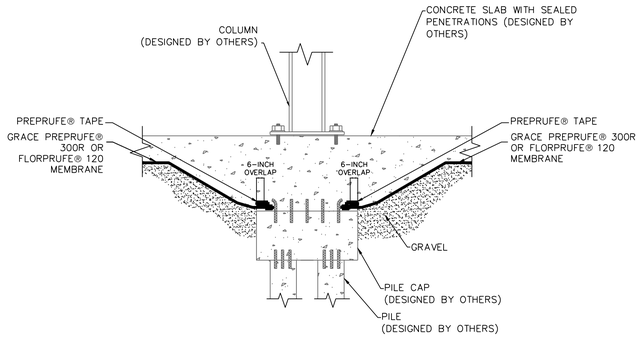

DETAIL 6: TYPICAL VAPOR BARRIER ASSEMBLY AT PILE CAP

NOT TO SCALE

WATERPROOFING/VAPOR BARRIER NOTES:

1. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MANUFACTURER GUIDELINES AND DETAILS.
2. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED BY A MANUFACTURER-CERTIFIED INSTALLER.
3. VAPOR BARRIER SHALL BE INSPECTED IMMEDIATELY BEFORE CONCRETE IS PLACED. ALL PENETRATIONS, HOLES, OR TEARS SHALL BE SEALED BEFORE CONCRETE IS PLACED.
4. PRODUCT WILL BE GRACE PREPRUFE OR APPROVED EQUIVALENT.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

Date	Description	No.

REVISIONS

SIGNATURE DATE SIGNED

PROFESSIONAL XXXXXXXXXX

STATE LIC. No. XXXXX

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T: 212.479.5400 F: 212.479.5444 www.langan.com

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ABU DHABI ATHENS DOHA DUBAI ISTANBUL

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

Project: PURVES STREET DEVELOPMENT

BLOCK No. 268, LOT Nos. 4 & 23

QUEENS NEW YORK

Drawing Title: VAPOR BARRIER DETAILS

Project No.	170281401
Date	6/17/2014
Scale	AS SHOWN
Drawn By	SH
Submission Date	

Figure No. E-1

LANGAN

SUBMISSION DATE: XXXXX ##,####

PROJECT No. #########

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Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\RAWP\Figure 9.Vapor Barrier Details.dwg Date: 7/29/2014 Time: 17:42 User: sharrison Style Table: Langan.stb Layout: FIGURE 9

071300_10000447_01_SD_19989
11/09/06 PTC

GRACE
Construction Products

1. Product Name

Preprufe® 300R and 160R Waterproofing Systems

2. Manufacturer

Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Preprufe® 300R and Preprufe 160R membranes are used in blind side waterproofing applications where positive side waterproofing is desired but the positive side of the structure is not accessible once the concrete is poured.

Preprufe 300R Membrane is used primarily in under slab and below-grade split slab applications. Preprufe 300R Membrane is applied over properly prepared earth, stone or concrete. Concrete is cast against the adhesive side of the membrane. Preprufe 300R Membrane incorporates an exceptionally tough HDPE film and is designed to allow foot traffic directly on the membrane during construction.

Preprufe 160R Membrane is used in vertical applications. It is applied to properly prepared soil retention systems and concrete is cast against the membrane.

COMPOSITION & MATERIALS

Preprufe 300R and Preprufe 160R membranes are multilayered composite sheets consisting of an exceptionally tough HDPE film, a specially formulated synthetic pressure sensitive adhesive and a protective coating.

ACCESSORY COMPONENTS

- Preprufe Tape
- Preprufe Tieback Cover
- Bituthene® Liquid Membrane
- Preprufe CJ Tape

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

PHYSICAL PROPERTIES

For detailed information on the physical properties of Preprufe 300R and Preprufe 160R Membranes, see Table 1.

5. Installation

Apply membranes when ambient temperatures are 25 degrees F (-4 degrees C) or above. Substrates must be smooth and sound with no gaps or voids in excess of 1/2" (13 mm).

FORMING SYSTEMS

It is very important to specify a forming system that is compatible with the Preprufe system. One-sided wall forming systems are clearly the best choice since there are no form ties used in this system. Therefore, there are no penetrations to the waterproofing layer. Other compatible systems include gang forms with load gathering form ties. These systems minimize the number of penetrations.

Hand set forming systems or, more specifically, use of form ties with ultimate load capabilities of less than 10,000 lb (44,500 N) per tie are not recommended. These systems have many form ties that penetrate the waterproofing.

Formwork

On vertical applications, use one-sided wall forming systems to minimize punctures in the membrane after the membrane is installed. Review Technical Letter "Forming Systems for use with Preprufe 160R Membrane."

APPLICATION

Vertical Applications

Apply the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. The membrane may be installed in any convenient length vertically. For lengths of membrane greater than 8' (2.4 m), mechanically fasten the membrane at 2' (0.6 m) intervals centered in the self-adhesive selvedge prior to making the side lap, using small head nails or staples.

Using the lap line as a guide, apply subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should they occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner.

It is important that all nail heads be covered with the overlapping sheets of membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A metal seam roller is recommended. To maximize adhesion in colder temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters). Overlap the ends of the membrane a minimum of 3" (75 mm). Remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct® Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape. Secure the top termination of the membrane with a termination bar and fasteners.

If the top termination is to be covered by the concrete pour, a strip of Preprufe CJ Tape must be placed over the termination bar and fasteners. Place the termination bar 2" (50 mm)

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below the top edge of the membrane. If the membrane will tie into subsequent sheets of Preprufe, Bituthene Membrane or other waterproofing, leave an additional 12" (300 mm) length of Preprufe 160R membrane. Protect this length from damage and do not remove the release liner. This length of clean membrane will be used to complete the appropriate waterproofing details after the concrete or lift is poured.

Horizontal Applications

Roll out the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. Remove the clear release liner at the time of installation. Using the lap line as a guide, align and roll out subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A heavy metal seam roller is recommended.

Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should this occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner. To maximize adhesion in cooler temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters section of website). The membrane may be installed in any convenient length. Overlap the ends of the membrane 3" (75 mm) and remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape.

Internal & External Corners

Install the Preprufe Membrane according to standard application instructions detailed for vertical and horizontal applications above. Internal and external corners should be formed as shown in the Detail Drawings returning the membrane a minimum of 4" (100 mm).

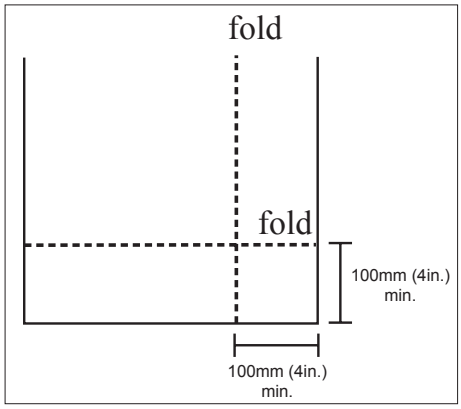

Figure 1

Internal Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to ensure a close fit to the substrate profile and avoid hollows. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

External Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to

TABLE 1 PHYSICAL PROPERTIES OF PREPRUFE 160R AND PREPRUFE 300R MEMBRANES

	Typical values	
Property & test method	Preprufe 160R Membrane	Preprufe 300R Membrane
Color	White	White
Thickness, ASTM D3767, Method A	0.032" (0.8 mm) nominal	0.046" (1.2 mm) nominal
Low temperature flexibility, ASTM D1970	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)
Resistance to hydrostatic head, minimum, ASTM D5385, Modified [1]	231' (70 m)	231' (70 m)
Elongation, minimum, ASTM D412, Modified [2]	300%	300%
Tensile strength, film, minimum, ASTM D882	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)
Crack cycling, at -10°F (-23°C), 100 cycles, ASTM C836	Unaffected	Unaffected
Puncture resistance, minimum, ASTM E154	100 lb (445 N)	221 lb (990 N)
Peel adhesion to concrete, minimum, ASTM D903, Modified [3]	5.0 lb/in width (880 N/m)	5.0 lb/in width (880 N/m)
Lap peel adhesion, ASTM D1876, Modified [4]	2.5 lb/in width (440 N/m)	2.5 lb/in width (440 N/m)
Permeance to water vapor transmission, maximum, ASTM D96, Method B	0.01 perms (0.6 ng/(Pa x s x m^2))	0.01 perms (0.6 ng/(Pa x s x m^2))
Water absorption, maximum, ASTM D570	0.5%	0.5%

[1] Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125" (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.

[2] Elongation of membrane is run at a rate of 2" (51 mm) per minute.

[3] Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2" (51 mm) per minute at room temperature.

[4] The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2" (51 mm) per minute at 25°F (-4°C).

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ensure a close fit to the substrate profile and avoid hollows. Cut the Preprufe membrane in order to wrap around corner. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

Round Penetrations

For Service Pipes, Lighting Conduit, Piles, etc. - Follow these steps to seal around penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (50 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap, repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration.
4. Cut a patch of Preprufe Membrane that is a minimum of 12" (300 mm) larger than the diameter or width of the penetration so that the patch extends 6" (150 mm) beyond the penetration in all directions. Remove the release liner and center the patch over penetration and trace/draw the penetration profile onto the patch. Using sheers or a utility knife, make relief cuts through the membrane. Triangles formed by making a relief cut are not to exceed 2" (50 mm) in height when placed over penetration. In other words, penetration diameters greater than 4" (100 mm) need to be trimmed. Remove and discard release liner.
5. Slide the patch over penetration and press into the partially cured Liquid Membrane. Ensure that the patch is pressed firmly into the Liquid Membrane and is positioned directly onto the Preprufe Field Membrane/Tape below. Using a trowel, smooth out any Liquid Membrane that has flowed out of the relief cut.
6. Apply Preprufe Tape centered over the edges of the patch and roll firmly to form a tight seal. Remove release liner from tape and discard.
7. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the patch. Remove enough release liner to overlap Tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

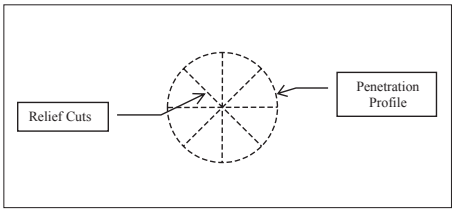

Figure 2

Straight Edge Penetrations

For square piles, steel columns, walers, rakers, etc. - Follow these steps to seal around

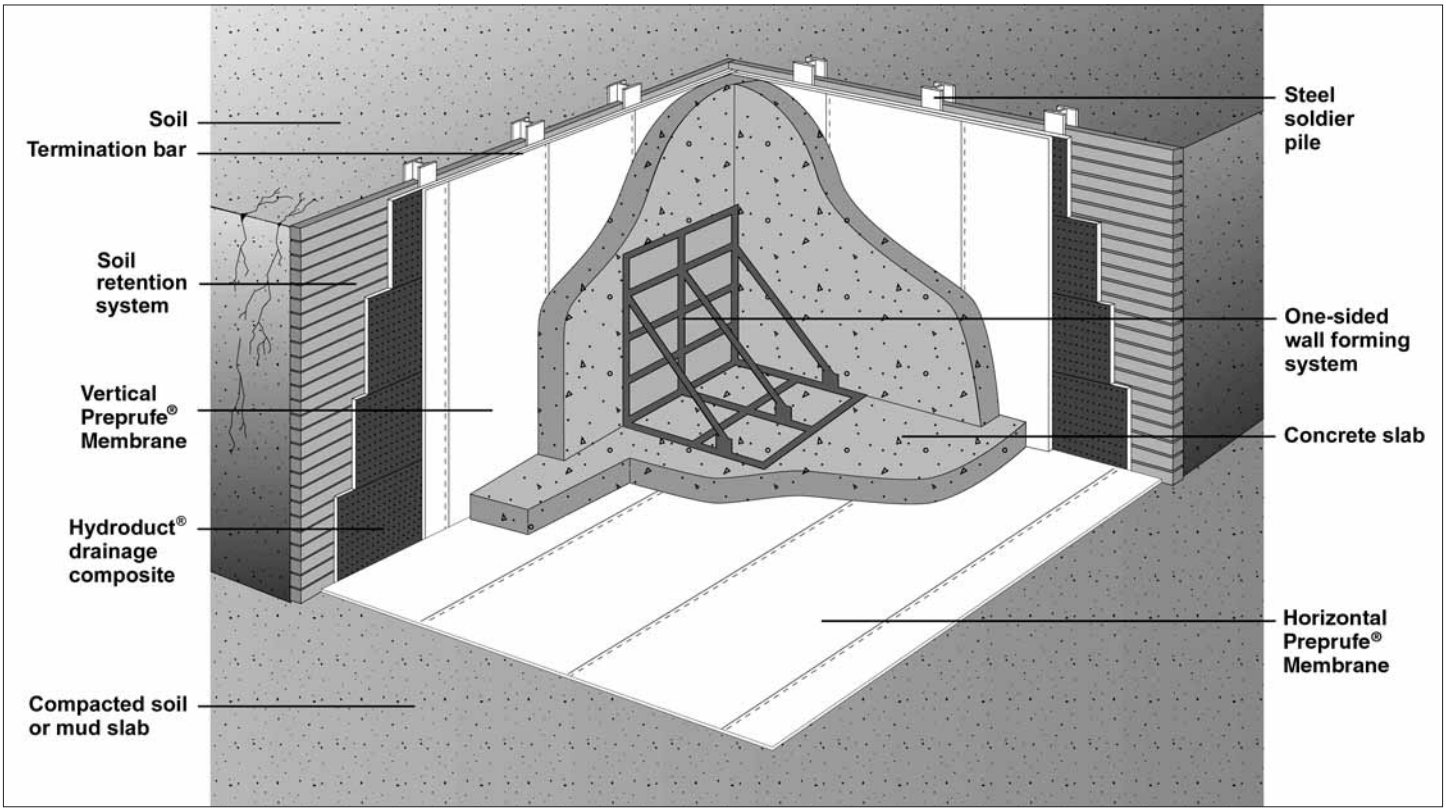

Figure 3 Preprufe® Waterproofing Systems

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penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration. Apply a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and the penetration.
4. Install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the Preprufe Membrane and the penetration intersection.
5. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved.
6. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the penetration with a bead of Bituthene Liquid Membrane.

Wall Penetrations

For Rebar, All-Thread, Metal Dowels, etc. - Follow these steps to seal around penetrations:

1. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the substrate and the base of the penetration.
3. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
4. Position the field membrane snug to the penetration so that it is a maximum of 1/2" (12 mm) from the base of the penetration and press firmly into the partially cured Liquid Membrane.
5. Apply Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90 mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and 6" (150 mm) onto the penetration.
6. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the penetration. Remove enough release liner to overlap tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

Tiebacks

The Preprufe Tieback Cover is a specially designed, two-part cover used to maintain waterproofing integrity at soil retention tieback heads. The Preprufe Tieback Cover consists of a rigid ABS plastic base and prefabricated Preprufe membrane cover.

1. Install Preprufe Membrane within 2" of tieback as per standard installation instructions.
2. Center the base over tieback head and secure base to soil retention system using appropriate fasteners. Fasteners should have a low profile head.
3. Apply Preprufe Tape centered over the edge of the base flange and roll firmly to form a tight seal. Remove release liner and discard.
4. Position the membrane cover over the base taking care to ensure the cover flange sits flat onto the Preprufe Membrane.
5. Apply Preprufe Tape centered over the edge of the cover flange and roll firmly to form a tight seal. Remove release liner and discard.

Note: All Preprufe Tape should overlap onto surfaces of tape, membrane, base, cover, etc., a minimum of 50 mm (2").

Columns

There are 2 common methods to create a waterproof seal under columns.

- Column Option 1 - Preprufe Membrane is placed over the column footing and directly under the column. Tie-in penetrations such as rebar and threaded rod that penetrate the membrane should be sealed with Bituthene Liquid Membrane. Cut the membrane tight to the penetration. If membrane is not within 1/2" (12 mm) of penetration, apply Preprufe Tape to cover the gap. Mix and apply Bituthene Liquid Membrane around the penetration. Bituthene Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet around the penetration at the point of penetration. Bituthene Liquid Membrane should be applied as a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe membrane.
- Column Option 2 - Preprufe Membrane is placed below the column footing before it is poured. The membrane is installed following the vertical and horizontal application instructions described earlier in this section. When placing the membrane, it is important to leave sufficient length of Preprufe 300R beyond the footing to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. The release liner must not be removed from this extra length, and it should be protected from damage until the tie-in details are completed.

Grade Beam Pile Caps

The preferred methods to waterproof pile caps are to either "tank" or "cover" the pile cap.

- Pile Cap Option 1 (Tanking Option) - Install Preprufe Membrane over the prepared substrate as instructed in horizontal applications above. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured. When placing the membrane, it is important to leave sufficient length of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. Cut membrane tight to each pile and complete detail around each pile as instructed earlier in this section for a Penetration Detail.
- Pile Cap Option 2 (Covering Option) - For mud slabs, clean loose dust or dirt from the

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pile cap and mud slab surface using a clean, dry cloth or brush. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Prime along the edge of the mud slab a minimum of 6" (150 mm) from the edge of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the edge of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed mud slab. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Compacted Earth

Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Remove compacted earth away from the sides of pile cap. Clean loose dust or dirt from the pile cap surface using a clean, dry cloth or brush.

Prime the sides of the pile cap a minimum of 6" (150 mm) from the top of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed sides of pile cap. Align a 12" (300 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove half of release liner by scoring release liner along the center of the strip.

Roll firmly onto the sides of pile cap with the 9" (225 mm) strip of Bituthene Membrane and the remaining primed pile cap. Leave the other half of the 12" (300 mm) strip with the release liner still intact in order to receive the Preprufe Membrane. Replace earth/fill and compact per standard back-filling instructions being careful not to damage the Bituthene strip including the non-bonded portion. Invert the Bituthene strip, and remove the remaining release liner to expose the adhesive portion of the Bituthene.

Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Roll firmly onto the inverted Bituthene strip. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Non-Continuous Covering

If the Structural Engineer or the design does not allow for the waterproofing to "cover" the pile cap, there must be a minimum 6" (150 mm) continuous shoulder along the perimeter of the pile cap to allow for a proper termination. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor onto the top of the pile cap along the outside edge.

Apply a 6" (150 mm) strip of Bituthene Membrane onto the Bituthene Liquid Membrane or Procor along the edge of the pile cap. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Construction Joints

Install the Preprufe membrane according to standard horizontal and vertical application instructions detailed above. Preprufe CJ Tape should be applied to the surface of the Preprufe membrane and centered along the line of all concrete joints. Remove release liner and roll firmly.

Tie-Ins

Preprufe 160R to Preprufe 300R Sub Slab Waterproofing - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal and vertical applications above. Continue onto the vertical surface of the prepared soil retention system a minimum of 18" (450 mm) above the finished elevation of the structural floor slab.

Secure the top of the membrane to temporarily hold it in place on the vertical substrate. Care should be taken to prevent damage to this exposed membrane from concrete back-splash as well as slag from rebar welding in wall forms. The exposed membrane on the vertical surface can be protected with protection board, plywood or other materials.

Following the vertical application instructions detailed above, install Preprufe 160R Membrane over the prepared vertical soil retention system. Unfasten the vertical length of the Preprufe 300R Membrane and tuck the Preprufe 160R behind the 18" (450 mm) length of Preprufe 300R, ensuring a minimum 3" (75 mm) lap. Complete the detail by installing Preprufe Tape centered over the lap being careful to seal any holes from fasteners. Roll firmly and remove the release liner.

Preprufe 300R to Post-Applied Wall Waterproofing - There are 2 options available to tie Preprufe 300R Membrane into wall waterproofing. In Option 1, the Preprufe 300R Membrane is installed under the concrete slab and the footing. Option 2 is intended for applications where the Preprufe 300R Membrane and wall waterproofing are connected through the wall and footing junction.

- Option 1 - Install Preprufe 300R Membrane over the prepared horizontal substrate and extend it up the vertical surface of the slab formwork. Terminate the membrane 6" (150 mm) above the top elevation of the structural floor slab or wall footing. Once the slab or footing is poured and cured for 7 days, remove the forms and trim the excess membrane above the slab (see Technical Letters). Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm).
- Option 2 - Prior to the pouring of the wall, apply a 90 mil (2.2 mm) coating of Bituthene Liquid Membrane on top of the footing area using standard application procedures. Extend the Bituthene Liquid Membrane 3" (75 mm) beyond the proposed wall width in each direction. Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm). On the inside of the wall, install a minimum 9" (225 mm) strip of Bituthene sheet membrane over the Bituthene Liquid Membrane that extends beyond the footing area. Install Bituthene Membrane by removing the release liner and firmly rolling the product in place. Install Preprufe 300R Membrane over the prepared substrate and terminate it at the center of the Bituthene sheet membrane strip. Apply Preprufe CJ Tape centered over the Preprufe

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300R Membrane termination. Remove the release liner and roll firmly.

Preprufe 160R to Plaza Deck Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Terminate the Preprufe 160R Membrane 6" (150 mm) above the proposed height of the finished wall. Once the wall is poured and properly cured, remove temporary forming and trim the excess Preprufe 160R remaining above the wall. Install the plaza deck waterproofing according to the manufacturer's standard installation procedures. Ensure that the plaza deck waterproofing overlaps the 160R membrane a minimum of 9" (225 mm) and terminate it onto the Preprufe 160R using a bead of Bituthene Liquid Membrane.

Preprufe 160R to Post-Applied Wall Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Extend the Preprufe 160R Membrane 12" (300 mm) beyond the end of the blind-side wall. As the foundation wall formwork is installed, fold the 12" (300 mm) piece of Preprufe 160R Membrane to form a sharp corner. Secure it to the inside face of the exterior form panel. Once the wall is poured and cured for seven days, remove the formwork and install the post-applied waterproofing according to the manufacturer's standard installation procedures.

Preprufe 300R Membrane Wall Termination

- Option 1 (Liquid Membrane Detail) - Install Preprufe 300R Membrane over a mud slab as detailed in horizontal applications above. For compacted earth, contact a local Grace representative. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. At the termination of the membrane, place a 1" (25.4 mm) fillet of Bituthene liquid membrane and trowel a 90 mil (2.2 mm) coating a minimum of 3" (75 mm) onto vertical and horizontal surfaces. Remove the release liner and install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the horizontal termination. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.
- Option 2 (Sheet Membrane Detail) - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal applications above. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. Install a minimum 6" (150 mm) strip of Bituthene Membrane on the vertical surface along the joint. Mix and apply Bituthene Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the wall. Install Preprufe CJ Tape 6" (150 mm) from the edge of the wall onto the Preprufe Membrane and terminate 2" (51 mm) onto the strip of Bituthene Membrane. Install Preprufe CJ Tape onto the strip of Bituthene Membrane and overlap onto the previous Preprufe CJ Tape a minimum of 2" (51 mm). Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.

Membrane Repair

Inspect the membrane for damage before placement of reinforcing steel, formwork and concrete. Repair small punctures 1/2" (12 mm), or less, and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6" (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly.

CONCRETE PLACEMENT

Lightly soiled membrane should be cleaned with air blower and heavily soiled membrane should be cleaned with a power-washer. Cast concrete within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed carefully to avoid damage to the membrane. Never use a sharp object to consolidate concrete.

REMOVAL OF FORMWORK

Preprufe Membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured, the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe Membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe Membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm^2) will typically require a cure time of approximately 6 days at an average ambient temperature of 25 degrees F (-4 degrees C) or 2 days at 70 degrees F (21 degrees C).

6. Availability & Cost

AVAILABILITY

A network of distributors carries Preprufe and Bituthene products for prompt delivery to project sites.

COST

For specific information, contact a local distributor or a Grace Construction Products representative.

7. Warranty

A 5 year material warranty for Preprufe and Bituthene membrane products is available from the manufacturer upon request.

8. Maintenance

Preprufe 300R and Preprufe 160R membranes will not require maintenance when installed in accordance with Grace's recommendations.

9. Technical Services

Support is provided by full-time, technically trained Grace field sales representatives and technical service personnel, backed by a central research and development staff.

10. Filing Systems

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- Additional product information is available from the manufacturer.

W. R. Grace & Co. -Conn. hopes the information here will be helpful. It is based upon data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co. -Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, W. R. Grace & Co. Canada, Ltd., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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This product may be covered by patents or patents pending.

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GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

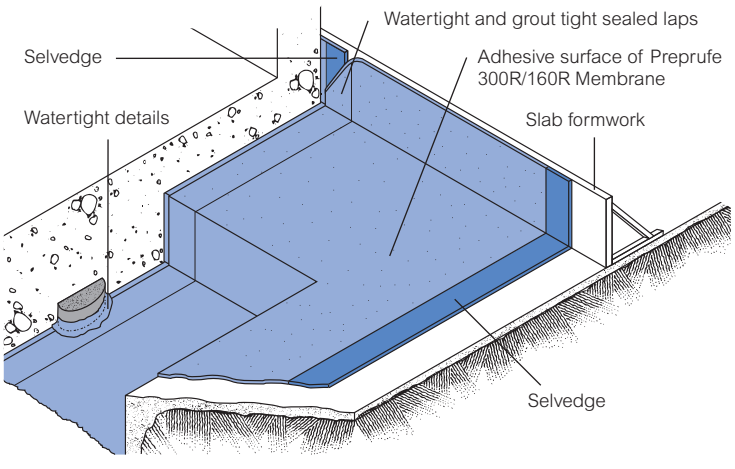
- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe Preformed Corners**—preformed inside and outside corners

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) is available for low temperature condition applications. Refer to Preprufe LT data sheet for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit graceconstruction.com. This manual gives comprehensive guidance and standard details.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe.

Figure 1

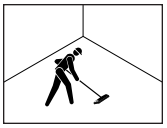


Figure 2

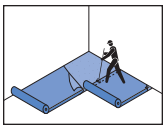
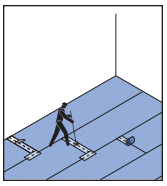
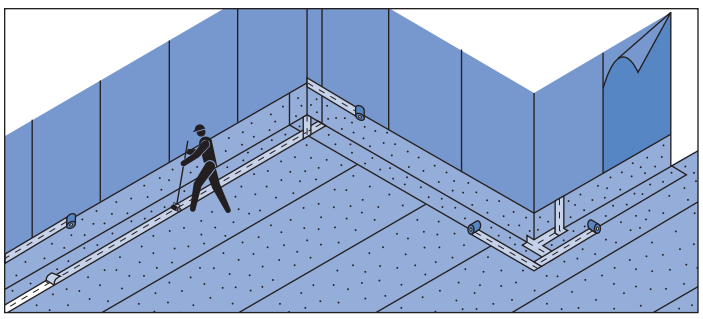


Figure 3

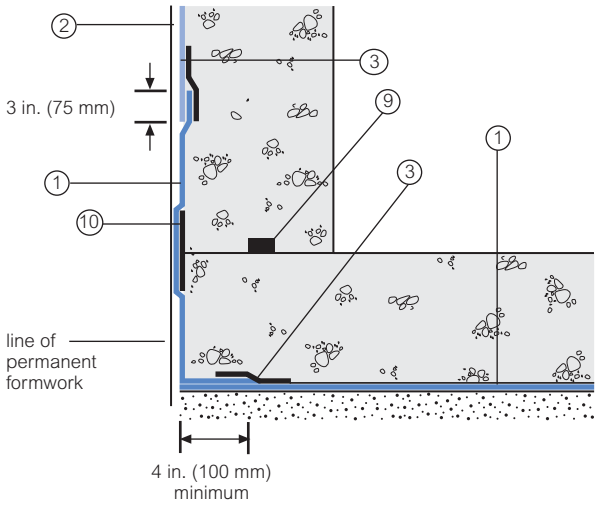




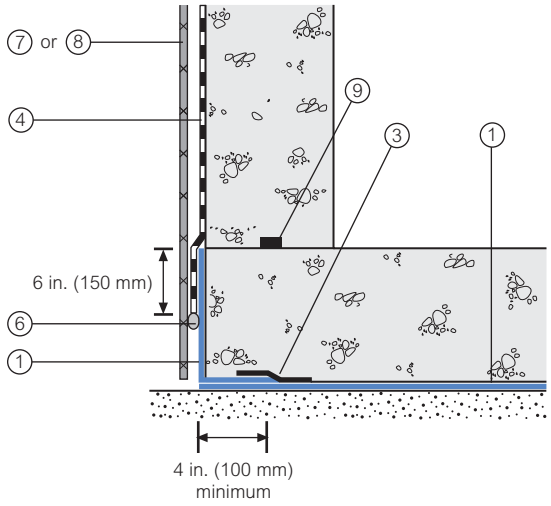
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

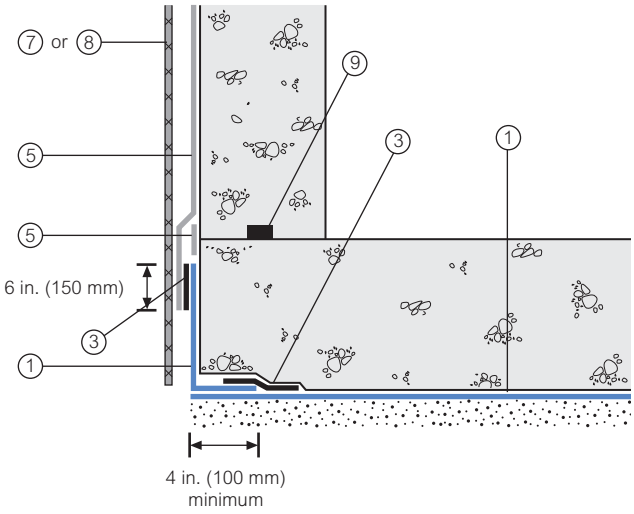
Wall base detail against permanent shutter



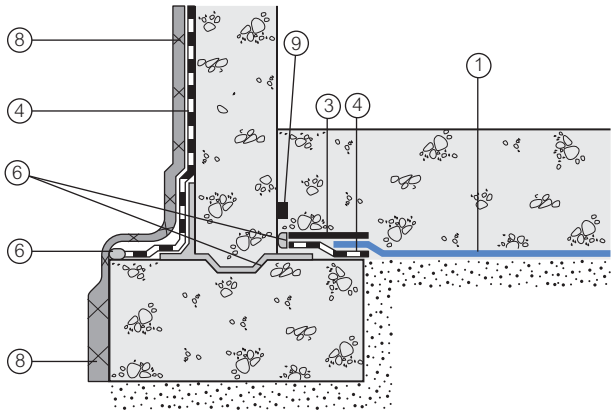
Bituthene wall base detail (Option 1)



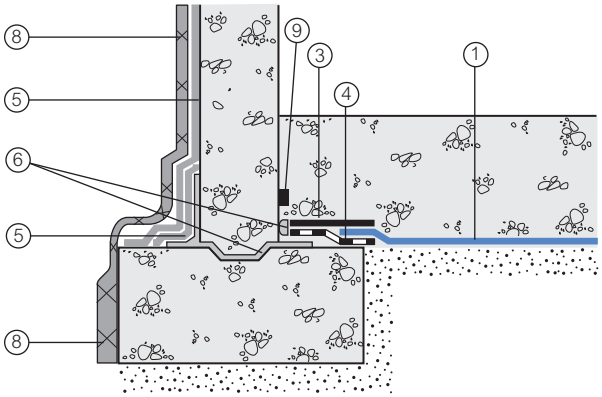
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 Preprufe 300R
2 Preprufe 160R
3 Preprufe Tape
4 Bituthene
5 Procor
6 Bituthene Liquid Membrane
7 Protection
8 Hydroduct®
9 Adcor ES
10 Preprufe CJ Tape

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft² (36 m²)	460 ft² (42 m²)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified[1]
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified[2]
Elongation	660%	580%	ASTM D412, modified[3]
Tensile strength	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified[4]
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified[5]
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa x s x m²))	0.01 perms (0.6 ng/(Pa x s x m²))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

1. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
2. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
3. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
4. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
5. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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Procor is a U.S. registered trademark of W. R. Grace & Co.–Conn., and is used in Canada under license from PROCOR LIMITED.

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GRACE

Florprufe™ 120

Integrally bonded vapor protection for slabs on grade

Description

Florprufe™ 120 is a high performance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Comprising a highly durable polyolefin sheet and a specially developed, non-tacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

Florprufe exceeds ASTM E1745 Class A rating.

Advantages

- Forms a powerful integral seal to the underside of concrete slabs
- Protects valuable floor finishes such as wood, tiles, carpet and resilient flooring from damage by vapor transmission
- Direct contact with the slab complies with the latest industry recommendations
- Remains sealed to the slab even in cases of ground settlement
- Ultra low vapor permeability
- Durable, chemical resistant polyolefin sheet
- Lightweight, easy to apply, kick out rolls
- Simple lap forming with mechanical fixings or tape

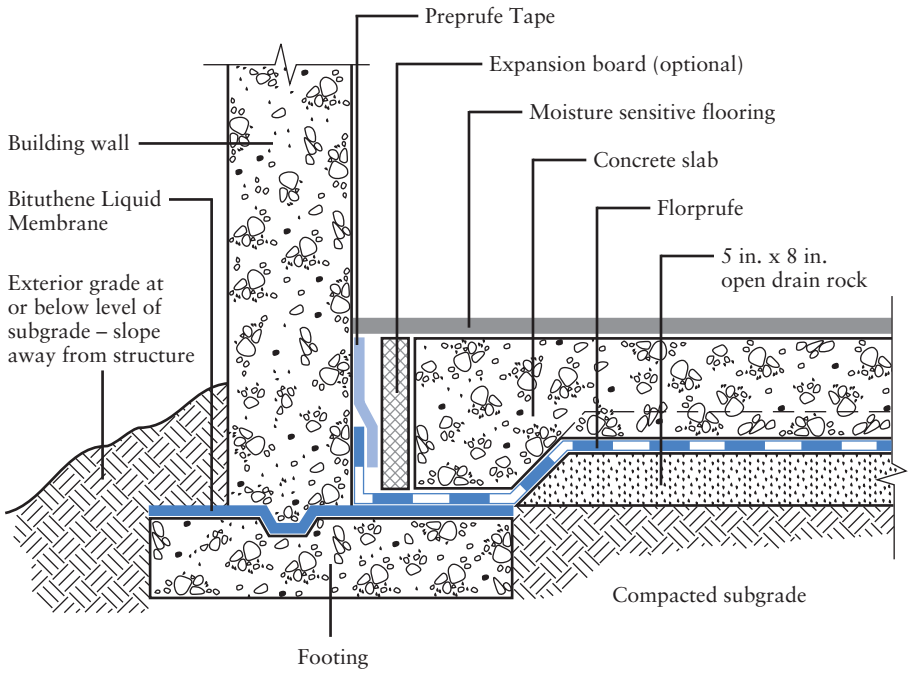
Use

Florprufe 120 is engineered for use below slabs on grade with moisture-impermeable or moisture-sensitive floor finishes that require the highest level of vapor protection.

Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e. for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab[1].

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps. Alternatively, if a taped system is preferred, self-adhered Preprufe® Tape can be used to overband the laps.

Slab reinforcement and concrete can be placed immediately. Once the concrete is poured, an integral bond develops between the concrete and membrane.



Typical Assembly

[1] ACI 302.1R-96 Addendum

GRACE
Construction Products

Supply

Florprufe 120

Supplied in rolls	1.2 m x 35 m (4 ft x 115 ft)
Roll area	42 m^2 (460 ft^2)
Roll weight	37 kg (81 lbs) approx.

Ancillary Products

Preprufe Tape is packaged in cartons containing 4 rolls that are 100 mm x 15 m (4 in. x 49 ft).
Bituthene Liquid Membrane is supplied in 5.7 L (1.5 gal) pails.

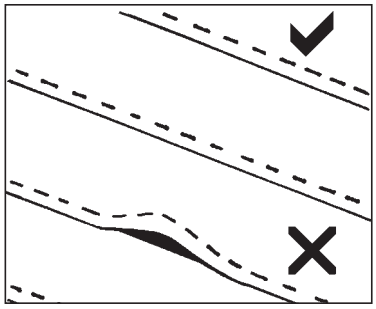


Figure 1

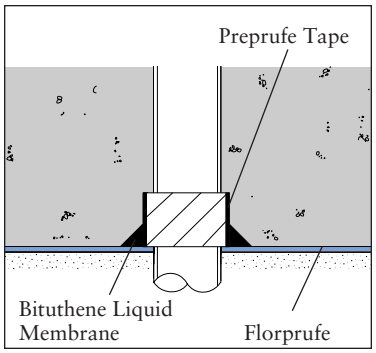


Figure 2

Physical Properties: Exceeds ASTM E1745 Class A rating

Property	Typical Value	Test Method
Color	White	
Thickness (nominal)	0.5 mm (0.021 in.)	ASTM D3767 – Method A
Water Vapor Permeance	0.03 perms	ASTM E96 – Method B[1]
Tensile Strength	68 lbs/in.	ASTM E154[1]
Elongation	300%	ASTM D412
Puncture Resistance	3300 gms	ASTM D1709[1]
Peel Adhesion to Concrete	>4 lbs/in.	ASTM D903

1. Test methods that comprise ASTM E1745 standard for vapor retarders

Installation

Health & Safety

Refer to relevant Material Safety Data Sheet. Complete rolls should be handled by 2 persons.

Florprufe 120 can be applied at temperatures of -4°C (25°F) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643-98.

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic liner side up facing towards the concrete slab. Remove and discard plastic liner. End laps should be staggered to avoid a build up of layers.

Succeeding sheets should be accurately positioned to overlap the previous sheet 50 mm (2 in.) along the marked lap line.

Laps

1. **Mechanical fastening method –** To prevent the membrane from moving and gaps opening, the laps should be fastened together at 1.0 m (39 in.) maximum centers. Fix through the center of the lap area using 12 mm (0.5 in.) long washer-head, self-tapping, galvanized screws (or similar) and allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. **Ensure the membrane lays flat and no openings occur.** (See Figure 1.) Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

   OR

2. **Taped lap method –** For additional security use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 100 mm (4 in.) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc. (See Figure 2 and refer to the Bituthene Liquid Membrane data sheet, BIT-230.)

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

For Technical Assistance call toll free at 866-333-3SBM (3726).

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CI/SfB 9 Ln2
Ref. WA10HC 05/06

Bituthene® 4000

Self-adhesive HDPE waterproofing membrane with enhanced bonding characteristics for use with B2 moisture tolerant primer.

Advantages

- **Cold applied** - simple application to substrates especially at low temperatures.
- **Suitable for application to "green" concrete** - reduces programme schedules
- **Moisture tolerant primer system** - allows application in damp or marginal weather conditions.
- **Wide application temperature range** - excellent bond to self and substrate from -10°C to +35°C.
- **Overlap security** - enhanced-bond provides additional security.
- **Cross laminated high density polyethylene carrier film** - provides high tear strength, puncture and impact resistance.
- **Flexible** - accommodates concrete shrinkage cracks.
- **Gas resistant** - methane, carbon dioxide and radon gas protection in excess of the standard membrane requirements in BRE Reports 211 (radon) and 212 (methane and carbon dioxide).

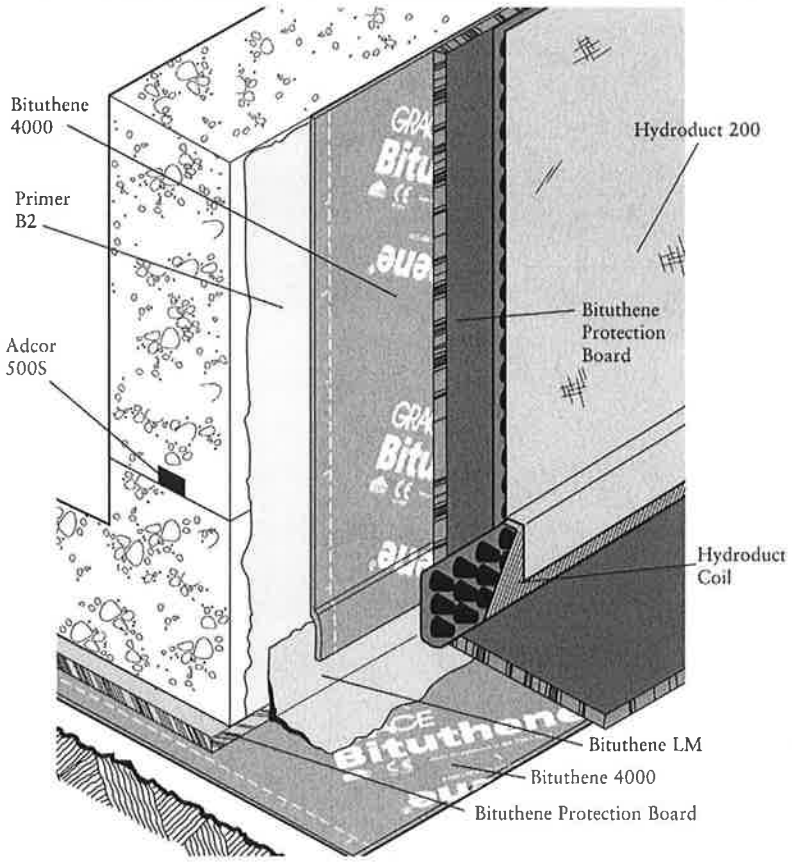
Description

Bituthene® 4000 is a flexible preformed waterproof membrane combining a high performance cross laminated, HDPE carrier film with a unique super sticky self-adhesive rubber bitumen compound.

Ancillary Products

Primer B2

Primer B2 is used to prepare vertical and sloping surfaces and suspended slabs. It is moisture tolerant and can be used on "green" concrete or damp to touch substrates.



Bituthene® LM

Waterproof continuity at angles and at penetrations is provided by Bituthene LM two component chemically curing liquid applied waterproof membrane.

Bituthene® Protection Boards

Damage from following trades and backfill is prevented by Bituthene® Protection Boards. Located with Bitustik™ 4000 double sided tape.

Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact Grace Technical Services

BSI REGISTERED · BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 07/3325 · BUREAU VERITAS 7828 · NBS Plus · CE EN 13967

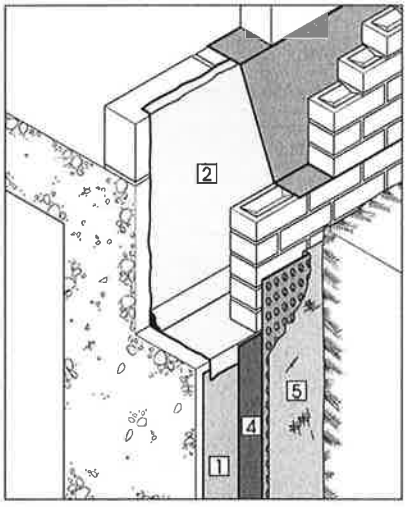
GRACE Construction Products

Supply

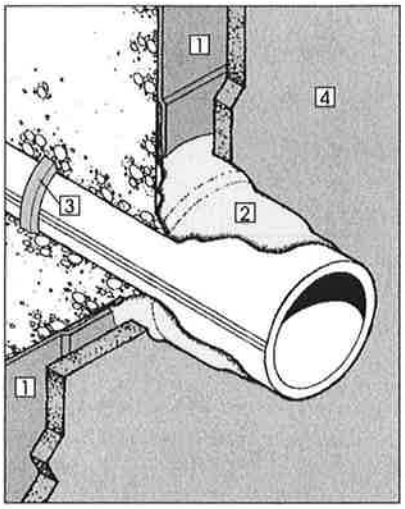
Bituthene® 4000	1 m x 20 m roll (20 sq m) Weight 32 kg
Palletisation	15 rolls per pallet
Storage	Store upright in dry conditions below +30°C
Primer B2	5, 25 litre drums
Coverage	10 - 12 sq m per litre depending upon method of application, surface porosity and ambient temperature
Ancillary Products	
Bituthene® LM	5.7 litre packs
Bituthene® Protection Boards	3 mm x 1 m x 2 m
Adcor® 500S	6 x 5 m rolls
Hydroduct®	In lieu of drainage stone
Waterstops	See separate data sheet for details
Bitustik™ 4000 Lap Roller	150 mm x 12 m roll Unit

Physical Properties

Property	Typical Results	Test Method
Elongation at max load	Long 244% Trans 185%	BS 2782 320 A
Tear Resistance	Long 77N Trans 92N	MOAT 27:5.4.1
Peel Strength	76.5 N/mm²	MOAT 27:5.1.3
Tensile Strength of joints	117N	MOAT 27:5.2.2
Moisture Vapour Permeability	0.31 g/m²/24 hours	BS 3177: 1959 (75% RH/25°C)
Puncture Resistance	220 N 65mm	ASTM E154
Water Resistance (6m head)	No penetration	MOAT 27:5.1.4
Environmental Resistance	Conforms	ASTM D543



Typical ground level termination detail



Pipe through wall detail

Installation

At air temperatures below +4°C measures should be taken to ensure that all surfaces are free from ice or frost. All surfaces except those below ground bearing slabs and Preprufe® R membranes should be primed with one coat of Primer B2 applied at a rate of approx. 10m² per litre.

Bituthene 4000 shall be laid by peeling back the protective release paper and applying the adhesive face onto the prepared surface, free from ice, frost, condensation or any contaminants which could adversely effect adhesion.

Bituthene LM to be applied at all internal and external corners, penetrations etc. prior to applying the overall membrane.

Bituthene 4000 should be brushed onto the surface to ensure good initial bond and exclude air. Adjacent rolls are aligned and overlapped 50mm minimum at side and ends and well rolled with a firm pressure, using a lap roller to ensure complete adhesion and continuity between the layers. On high walls it may be necessary to batten fix the membrane to prevent slippage.

Repairs

Damaged areas to be repaired by patching with an oversize patch applied to a clean dry surface and firmly rolled.

Performance

Bituthene 4000 complies with the relevant section of the following national standards:

BS 8102:1990, Building Regulations (England and Wales) 1991 (amended 1994) clause C4. Building Regulations (Northern Ireland) 1994 (amended 1995) clause B2. Building Standard (Scotland) Regulations 1990, Regulation B2.1, G2.6.

Health and Safety

There is no legal requirement for a Material Safety Data Sheet for Bituthene 4000, Bituthene Protection Boards, Bitustik, Lap Roller, Hydroduct or waterstops. For health and safety questions on these products please contact Grace Construction Products Limited.

For Primer B2, and Bituthene LM read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at www.graceconstruction.com.

Key to diagrams:

1. Bituthene 4000 on Primer B2
2. Bituthene LM
3. Adcor 500S
4. Bituthene Protection Board
5. Hydroduct 220

NBS Specification Clause

Refer to Clause 180 and 190.

web Visit our web site at www.graceconstruction.com

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GRACE Construction Products

BITUTHENE® 3000 AND BITUTHENE LOW TEMPERATURE

Self-adhesive, rubberized asphalt/polyethylene waterproofing membranes for basements and sub-structures

Description

Bituthene® 3000 and Bituthene Low Temperature are self-adhesive, rubberized asphalt/polyethylene waterproofing membranes used in basements and sub-structures.

Advantages

- **Waterproof**—high hydrostatic head resistance
- **Cross laminated film**—provides dimensional stability, high tear strength, puncture and impact resistance
- **Cold applied**—no flame hazard; self-adhesive overlaps ensure continuity
- **Chemically resistant**—provides effective external protection against aggressive soils and ground water
- **Flexible**—accommodates minor settlement and shrinkage movement
- **Controlled thickness**—factory made sheet ensures constant, non-variable site application
- **Wide application window**—
  - — **Bituthene Low Temperature** surface and ambient temperatures between 25°F (-4°C) and 60°F (16°C)
  - — **Bituthene 3000** surface and ambient temperatures at 40°F (5°C) or above
- **Ripcord® split release on demand**—faster application in the straight-aways, ease of membrane positioning in detailed areas

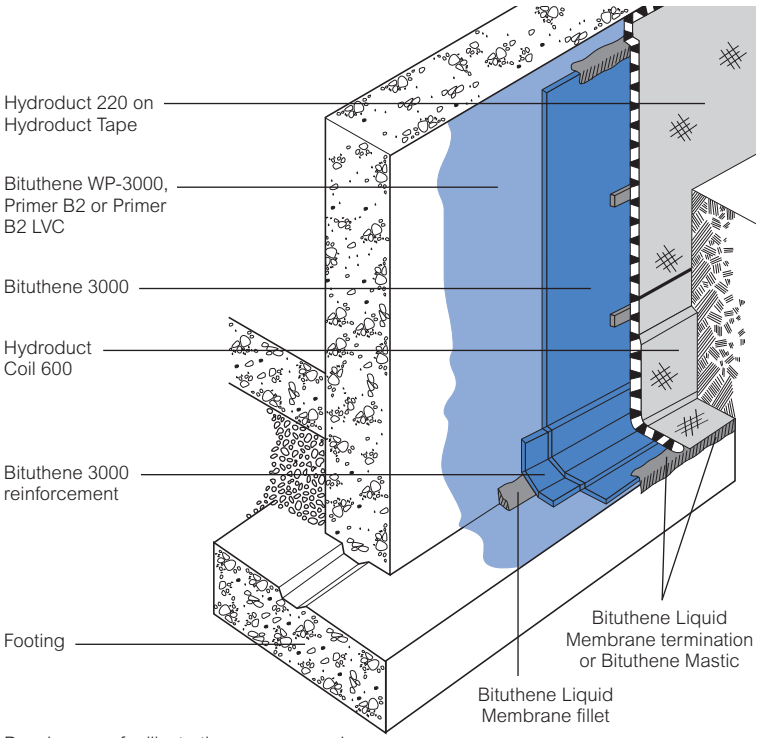
Use

Bituthene is ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 130°F (54°C). It can be applied to foundation walls, tunnels, earth sheltered structures and split slab construction, both above and below grade. (For above grade applications, see *Above Grade Waterproofing Bituthene 3000 and Bituthene Low Temperature*.)

Bituthene is 1/16 in. (1.5 mm) thick, 3 ft (0.9 m) wide and 66.7 ft (20 m) long and is supplied in rolls. It is unrolled sticky side down onto concrete slabs or applied onto vertical concrete faces primed with Bituthene Primer WP-3000, Primer B2 or Primer B2 LVC. Continuity is achieved by overlapping a minimum 2 in. (50 mm) and firmly rolling the joint.

Product Advantages

- Waterproof
- Cross laminated film
- Cold applied
- Chemically resistant
- Flexible
- Controlled thickness
- Wide application window
- Ripcord split release on demand



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

Bituthene is extremely flexible. It is capable of bridging shrinkage cracks in the concrete and will accommodate minor differential movement throughout the service life of the structure.

Application Procedures

Safety, Storage and Handling Information

Bituthene products must be handled properly. Vapors from solvent-based primers and mastic are harmful and flammable. For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered. Material Safety Data Sheets (MSDS) are available at graceconstruction.com and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the MSDS before use.

Surface Preparation

Surfaces should be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces. Remove dust, dirt, loose stone and debris. Concrete must be properly dried (minimum 7 days for normal structural concrete and 14 days for lightweight structural concrete).

If time is critical, Bituthene Primer B2 or Bituthene Primer B2 LVC may be used to allow priming and installation of membrane on damp surfaces or green concrete. Priming may begin in this case as soon as the concrete will maintain structural integrity. Use form release agents which will not transfer to the concrete. Remove forms as soon as possible from below horizontal slabs to prevent entrapment of excess moisture. Excess moisture may lead to blistering of the membrane. Cure concrete with clear, resin-based curing compounds which do not contain oil, wax or pigment. Except with Primer B2 or Primer B2 LVC, allow concrete to thoroughly dry following rain. Do not apply any products to frozen concrete.

Repair defects such as spalled or poorly consolidated areas. Remove sharp protrusions and form match lines. On masonry surfaces, apply a parge coat to rough concrete block and brick walls or trowel cut mortar joints flush to the face of the concrete blocks.

Temperature

- Apply Bituthene 3000 Membrane only in dry weather and at air and surface temperatures of 40°F (5°C) and above.
- Apply Bituthene Low Temperature Membrane only in dry weather and when air and surface temperatures are between 25°F (-4°C) and 60°F (16°C).
- Apply Bituthene Primer WP-3000 in dry weather above 40°F (5°C).
- Apply Bituthene Primer B2 in dry weather above 25°F (-4°C). (See separate product information sheet.)

Priming

- Apply Bituthene Primer WP-3000 by spray or roller at a coverage rate of 500–600 ft^2/gal (12–15 m^2/L). Allow to dry one hour or until concrete returns to original color.
- Apply Bituthene Primer B2 by a lamb's wool roller at a coverage rate of 250–350 ft^2/gal (6–8 m^2/L). Allow primer to dry one hour or until tack-free.
- Apply Bituthene Primer B2 LVC by a lamb's wool roller at a coverage rate of 325–425 ft^2/gal (7.5–10 m^2/L). Allow primer to dry one hour or until tack free.
- Dry time may be longer in cold temperatures. Reprime areas if contaminated by dust. If the work area is dusty, apply membrane as soon as the primer is dry.
- **Do not apply any primer to Bituthene membrane.**

Corner Details

The treatment of corners varies depending on the location of the corner. For detailed information on Bituthene Liquid Membrane, see separate product information sheet.

- At wall to footing inside corners—
  Option 1: Apply membrane to within 1 in. (25 mm) of base of wall. Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene Liquid Membrane. Extend Bituthene Liquid Membrane at least 2½ in. (65 mm) onto footing, and 2½ in. (65 mm) onto wall membrane.

  Option 2: Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene Liquid Membrane. Apply 12 in. (300 mm) wide strip of sheet membrane centered over fillet. Apply wall membrane over inside corner and extend 6 in. (150 mm) onto footing. Apply 1 in. (25 mm) wide troweling of Bituthene Liquid Membrane over all terminations and seams within 12 in. (300 mm) of corner.
- At footings where the elevation of the floor slab is 6 in. (150 mm) or more above the footing, treat the inside corner either by the above two methods or terminate the membrane at the base of the wall. Seal the termination with Bituthene Liquid Membrane.

Joints

Properly seal all joints with waterstop, joint filler and sealant as required. Bituthene membranes are not intended to function as the primary joint seal. Allow sealants to fully cure. Pre-strip all slab and wall cracks over 1/16 in. (1.5 mm) wide and all construction and control joints with 9 in. (230 mm) wide sheet membrane strip.

Application on Horizontal Surfaces

(Note: Preprufe® pre-applied membranes are strongly recommended for below slab or for any application where the membrane is applied before concreting. See Preprufe product information sheets.)

Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 2 in. (50 mm). Stagger all end laps. Roll the entire membrane firmly and completely as soon as possible. Use a linoleum roller or standard water-filled garden roller less than 30 in. (760 mm) wide, weighing a minimum of 75 lbs (34 kg) when filled. Cover the face of the roller with a resilient material such as a ½ in. (13 mm) plastic foam or two wraps of indoor-outdoor carpet to allow the membrane to fully contact the primed substrate. Seal all T-joints and membrane terminations with Bituthene Liquid Membrane at the end of the day.

Protrusions and Drains

Apply membrane to within 1 in. (25 mm) of the base of the protrusion. Apply Bituthene Liquid Membrane 0.1 in. (2.5 mm) thick around protrusion. Bituthene Liquid Membrane should extend over the membrane a minimum of 2½ in. (65 mm) and up the penetration to just below the finished height of the wearing course.

Vertical Surfaces

Apply membrane in lengths up to 8 ft (2.5 m). Overlap all seams at least 2 in. (50 mm).
On higher walls apply membrane in two or more sections with the upper overlapping the lower by at least 2 in. (50 mm). Roll all membrane with a hand roller.

Terminate the membrane at grade level. Press the membrane firmly to the wall with the butt end of a hardwood tool such as a hammer handle or secure into a reglet. Failure to use heavy pressure at terminations can result in a poor seal. A termination bar may be used to ensure a tight seal. Terminate the membrane at the base of the wall if the bottom of the interior floor slab is at least 6 in. (150 mm) above the footing. Otherwise, use appropriate inside corner detail where the wall and footing meet.

Membrane Repairs

Patch tears and inadequately lapped seams with membrane. Clean membrane with a damp cloth and dry. Slit fishmouths and repair with a patch extending 6 in. (150 mm) in all directions from the slit and seal edges of the patch with Bituthene Liquid Membrane. Inspect the membrane thoroughly before covering and make any repairs.

Drainage

Hydroduct® drainage composites are recommended for both active drainage and protection of the membrane. See Hydroduct product information sheets.

Protection of Membrane

Protect Bituthene membranes to avoid damage from other trades, construction materials or backfill. Place protection immediately in temperatures above 77°F (25°C) to avoid potential for blisters.

- On vertical applications, use Hydroduct 220 Drainage Composite. Adhere Hydroduct 220 Drainage Composite to membrane with Hydroduct Tape. Alternative methods of protection are to use ¼ in. (6 mm) asphalt impregnated board or 1 in. (25 mm) extruded polystyrene. Such alternatives do not provide positive drainage to the system. Adhere protection board with an adhesive or Hydroduct Tape.
- In mud slab waterproofing, or other applications where positive drainage is not desired and where reinforced concrete slabs are placed over the membrane, the use of ¼ in. (6 mm) hardboard or 2 layers of ⅛ in. (3 mm) hardboard is recommended.

Insulation

Always apply Bituthene membrane directly to primed or conditioned structural substrates. Insulation, if used, must be applied over the membrane. Do not apply Bituthene membranes over lightweight insulating concrete.

Backfill

Place backfill as soon as possible. Use care during backfill operation to avoid damage to the waterproofing system. Follow generally accepted practices for backfilling and compaction. Backfill should be added and compacted in 6 in. (150 mm) to 12 in. (300 mm) lifts.

For areas which cannot be fully compacted, a termination bar is recommended across the top termination of the membrane.

Placing Steel

When placing steel over properly protected membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Use special care when using wire mesh, especially if the mesh is curled.

Approvals

- City of Los Angeles Research Report RR 24386
- U.S. Department of Housing and Urban Development (HUD) HUD Materials Release 628E

Warranty

Five year material warranties covering Bituthene and Hydroduct products are available upon request. Contact your Grace sales representative for details.

Technical Services

Support is provided by full time, technically trained Grace representatives and technical service personnel, backed by a central research and development staff.

Supply

Bituthene 3000 or Bituthene Low Temperature	3 ft x 66.7 ft roll (200 ft²) [0.9 m x 20 m (18.6 m²)]
Roll weight	83 lbs (38 kg) gross
Palletization	25 rolls per pallet
Storage	Store upright in dry conditions below 95°F (+35°C).
Ancillary Products	
Bituthene WP-3000	5 gal (18.9 L) pail/24 pails per pallet
Bituthene Primer B2	5 gal (18.9 L) pail/48 pails per pallet
Bituthene Primer B2 LVC	5 gal (18.9 L) pail/48 pails per pallet
Bituthene Liquid Membrane	1.5 gal (5.7 L) pail/100 pails per pallet or 4 gal (15.1 L) pail/24 pails per pallet
Hydroduct Tape	1 in. x 200 ft (2.5 cm x 61.0 m) roll/6 rolls per carton
Bituthene Mastic	Twelve 30 oz (0.9 L) tubes/carton or 5 gal (18.9 L) pail/36 pails per pallet

Equipment by others: Soft broom, utility knife, brush or roller for priming

Physical Properties for Bituthene Membrane

Property	Typical Value	Test Method
Color	Dark gray-black	
Thickness	1/16 in. (1.5 mm) nominal	ASTM D3767—method A
Flexibility, 180° bend over 1 in. (25 mm) mandrel at -25°F (-32°C)	Unaffected	ASTM D1970
Tensile strength, membrane, die C	325 lbs/in.² (2240 kPa) minimum	ASTM D412 modified[1]
Tensile strength, film	5,000 lbs/in.² (34.5 MPa) minimum	ASTM D882 modified[1]
Elongation, ultimate failure of rubberized asphalt	300% minimum	ASTM D412 modified[1]
Crack cycling at -25°F (-32°C), 100 cycles	Unaffected	ASTM C836
Lap adhesion at minimum application temperature	3000: 4 lbs/in. (700 N/m) Low Temp: 5 lbs/in. (880 N/m)	ASTM D1876 modified[2]
Peel strength	9 lbs/in. (1576 N/m)	ASTM D903 modified[3]
Puncture resistance, membrane	50 lbs (222 N) minimum	ASTM E154
Resistance to hydrostatic head	200 ft (60 m) of water	ASTM D5385
Permeance	0.05 perms (2.9 ng/m²sPa) maximum	ASTM E96, section 12—water method
Water absorption	0.1% maximum	ASTM D570

Footnotes:
1. The test is run at a rate of 2 in. (50 mm) per minute.
2. The test is conducted 15 minutes after the lap is formed and run at a rate of 2 in. (50 mm) per minute at 40°F (5°C).
3. The 180° peel strength is run at a rate of 12 in. (300 mm) per minute.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

Bituthene, Preprufe, Ripcord and Hydroduct are registered trademarks of W. R. Grace & Co.–Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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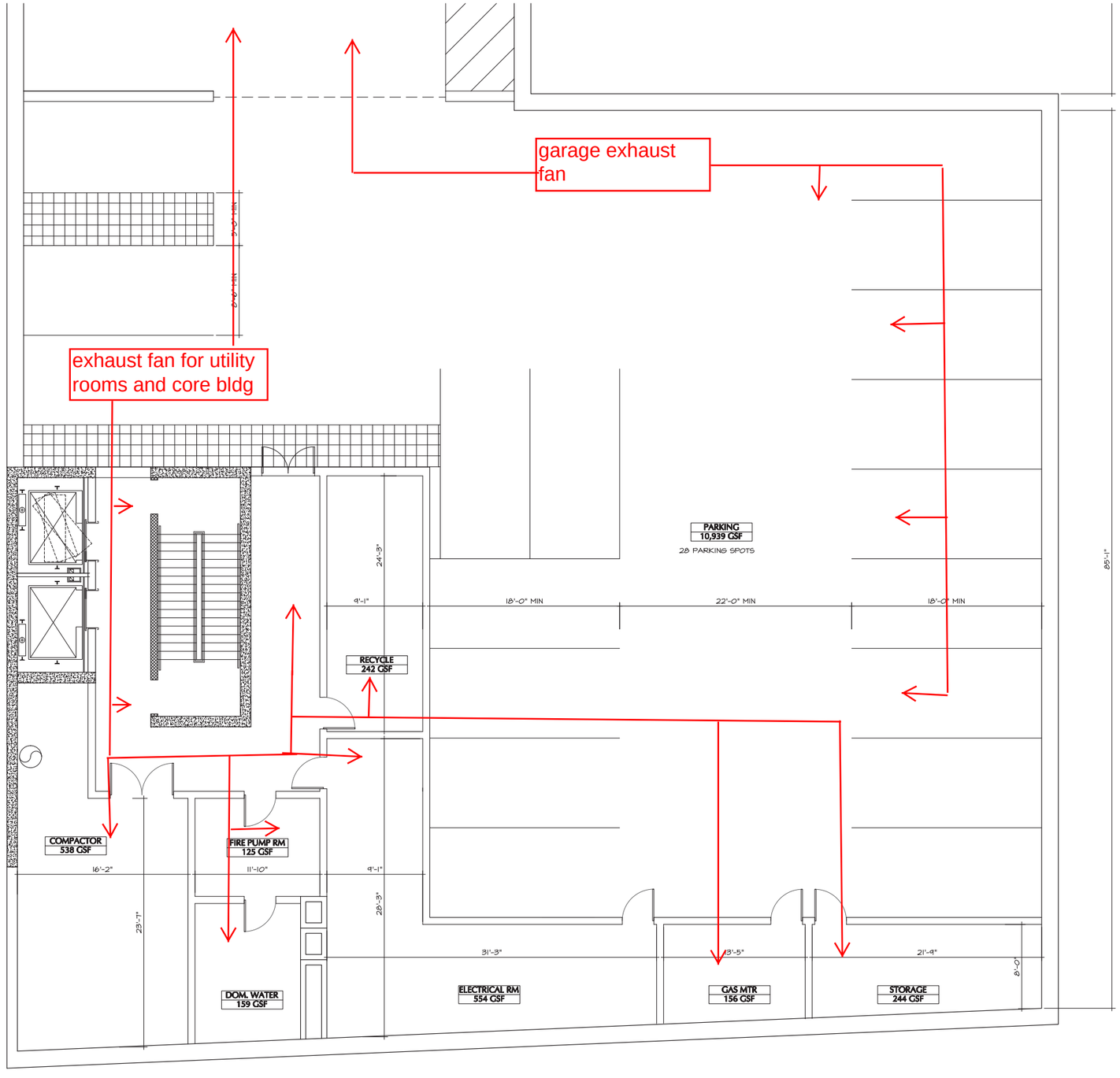
Appendix F
Cellar Ventilation System Details



A CELLAR PLAN

1/4"=1'-0"

GF55 PARTNERS
19 W. 21ST STREET
NEW YORK, N Y 10010
212 352 3099
©GF55 Partners, LLP 2009

27-21 44TH DRIVE
QUEENS, NY 11101
BLOCK: 286 LOTS: 4,22,23

PROJECT NO. 1652.00

DEVELOPER

PURVES DEVELOPMENT, LLC
42-22 22ND STREET
LONG ISLAND CITY, NY 11101

STRUCTURAL ENGINEER

MCNAMARA SALVIA INC
250 WEST 49TH STREET
SUITE 801
NEW YORK, NY 10019

MECHANICAL ENGINEER

ETTINGER ENGINEERING ASSOCIATES
505 8TH AVENUE
24TH FLOOR
NEW YORK, NY 10018

ISSUE

SCHEMATIC DESIGN

SCALE

1/4"=1'-0"

KEY PLAN

PROJECT

27-21 44TH DRIVE
QUEENS, NY 11101

DRAWING

CELLAR PLAN - 44TH DRIVE

SEAL AND SIGNATURE

DATE: 07/29/2014
PROJECT NO: 1652.00
DRAWING BY:
CHK BY:
DWG NO:

XXX.XX

CADD FILE NO: X OF XX

Appendix G
Health and Safety Plan

CONSTRUCTION HEALTH AND SAFETY PLAN
27-21 44th DRIVE
LONG ISLAND CITY, NEW YORK

Prepared For:

Purves Development LLC
42-22 22nd Street
Long Island City, New York11101

Prepared By:

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

Jason Hayes, P.E., LEED AP
Vice President

December 2014

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SECTION 1.0 SUMMARY

Emergency Contacts

Emergency contacts are listed on Table 1.

Emergency Procedures

Emergency procedures are described in Section 6. The route to the hospital is provided as Figure 1.

Site-Specific Hazards and Training

Site-specific hazards are described in Section 3.

The Field Safety Officer (FSO) will be responsible for providing site-specific training to all personnel that work at the site. This training will cover the following topics:

- Names of personnel responsible for site safety and health.
- Hazards potentially present at the site.
- Proper use of personal protective equipment.
- Work practices by which the employee can minimize risk from hazards.
- Acute effects of compounds at the site.
- Decontamination procedures.

Personnel will be required to sign and date the Site-Specific Training Form provided in Attachment B prior to working on-site.

General Health and Safety Requirements

Personnel will be required to sign and date the Construction Health and Safety Plan and Work Plan Acceptance Form provided in Attachment B prior to working on-site.

Personnel Protective Equipment

Level D protection will be worn for initial entry on-site and for all activities except as noted in Section 4. Level D protection will consist of:

- Standard work clothes
- Steel-toe safety boots

- Safety glasses or goggles must be worn when splash hazard is present
- Hard hat

Modified Level D protection may be required under conditions where potential contact of the skin or clothes with significant contamination occurs. Modified Level D is the same as Level D but includes Tyvek coveralls and disposable polyethylene overboots.

Level C protection, unless otherwise specified in Section 4, will consist of Level D equipment and the following additional equipment:

- Full-face or half-mask air-purifying respirator (APR)
- Combination dust/organic vapor cartridges
- Tyvek coveralls if particulate hazard present
- PE-Coated Tyvek coverall if liquid contamination present
- PVC or nitrile inner and nitrile outer gloves
- 5-minute escape SCBA

Level B protection, unless otherwise specified in Section 4, will consist of Level D equipment and the following additional equipment:

- Hard hat
- Positive Pressure SCBA or positive pressure air line and respirator with escape SCBA
- PE-Coated Tyvek coverall
- Nitrile outer and PVC or nitrile inner gloves
- Nitrile boot covers

Air Monitoring

A summary of the action levels and restrictions is presented on Table 2.

FIGURE 1-HOSPITAL ROUTE PLAN (Mount Sinai Hospital)

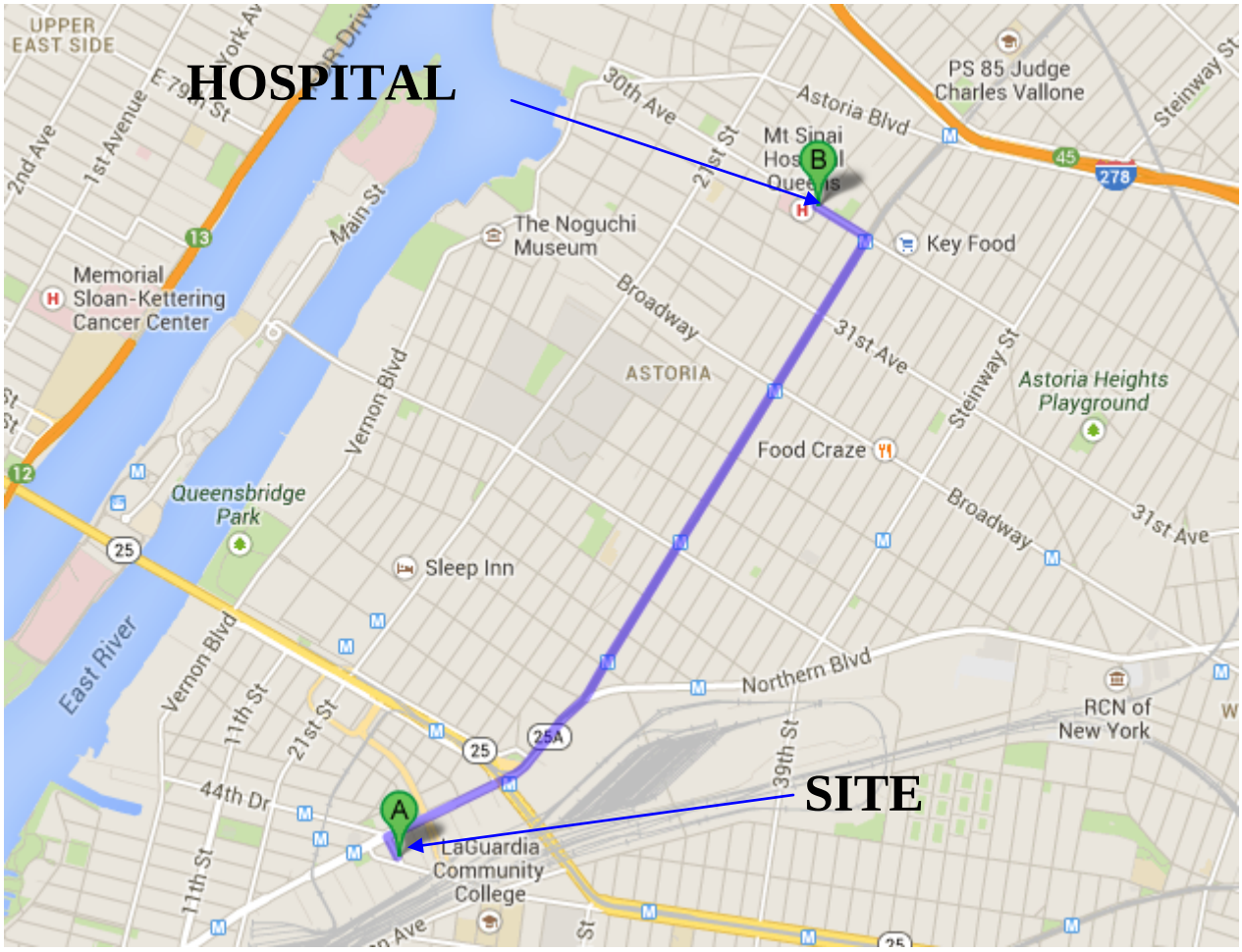
Site Location: **27-21 44th Drive**

Long Island City, NY 11101

Hospital Location: **25-10 30th Avenue**

Long Island City, NY 11102

Information Line (718) 932-1000



Route to Hospital

From 27-21 44th Drive, Long Island City, New York to Mt Sinai Hospital, located at 25-10 30th Avenue, Long Island City, New York.

1. Start out going NORTHWEST on 44th Dr toward JACKSON AVENUE.
2. Turn RIGHT onto JACKSON AVENUE.
3. Continue onto NORTHERN BOULEVARD
4. Continue onto 31st STREET
5. Turn LEFT onto 30th AVENUE
6. End at 25-10 30TH AVENUE

Total Est. Time: 8 minutes Total Est. Distance: 2.0 miles

TABLE 1

EMERGENCY CONTACTS

In the event of any situation or unplanned occurrence requiring assistance, the appropriate contact(s) should be made from the list below. For emergency situations, contact should first be made with the Field Team Leader (or designee) and the Site Safety Officer, who will notify emergency personnel who will then contact the appropriate response teams. This emergency contacts list must be in an easily accessible location at the site.

Emergency Contacts	**Phone Number**
Fire Department:	911
Police:	911
New York City-Long Island One Call Center: (3 day notice required for utility mark-outs)	(800) 272-4480
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802

Medical Emergency

Ambulance Service:	911
Hospital Name:	Mt Sinai Hospital Queens
Hospital Telephone Number:	(718) 932-1000
Hospital Address:	25-10 30th Avenue Long Island City, NY 11102
Route to Hospital:	See Page 3 and 4
Travel Time From Site:	8 minutes

Langan Contacts

Principal/Associate:	Jason Hayes, P.E.	(212) 479-5427
Program Manager:	Joseph Good, P.E.	(212) 479-5448
Health & Safety Officer:	Tony Moffa	(215) 756-2523
Field Safety Officer	Paul McMahon	(212) 479-5451
Field Team Leader	Michele Rogers	(212) 479-5429
Quality Assurance Officer	Michael Burke	(212) 479-5413

TABLE 2
SUMMARY OF ACTION LEVELS AND RESTRICTIONS

Conditions for Level D:

All areas

- PID readings < 25 ppm and benzene < 1 ppm
- No visible fugitive dust emissions from site activities

Conditions for Level C:

All areas

- Where PID readings > 25 ppm (sustained for 15 minutes in the breathing zone) to 200 ppm and benzene < 5ppm, and/or
- Any visible fugitive dust emissions from site activities that disturb contaminated soil.

Conditions for Level B (or retreat):

All areas

- Where PID readings > 500 ppm or benzene > 25 ppm,
- Visible fugitive dust emissions from site activities cloud the surrounding air.

SECTION 2.0 INTRODUCTION

2.1 PUPOSE AND POLICY

The purpose of this construction health and safety plan (CHASP) is to establish personnel protection standards and mandatory safety practices and procedures for potential encounters with contaminated soil or groundwater during investigation and construction at the Site. This plan assigns responsibilities, establishes standard operating procedures, and provides for contingencies that may arise while operations are being conducted during construction.

The provisions of the plan are mandatory for all on-site personnel. Supplemental CHASP plans shall be developed and used by contractors and subcontractors that shall conform to this plan at a minimum. All personnel who engage in project activities must be familiar with this plan, comply with its requirements, and sign the Plan Acceptance Form (Attachment B), page number B-5, prior to working on the site. The Plan Acceptance Form must be submitted to the Langan Health and Safety Officer (HSO). In addition to this plan, all work shall be performed in accordance with all applicable federal, state and local regulations.

2.2 SITE DESCRIPTION

The Site is located at 27-21 44th Drive and 44-18 Purves Street ("site") in Long Island City, New York (Tax Block 268 Lots 4, 22 and 23). The site contains an approximately 9,600-square-foot parcel (Lot 4) and two approximately 2,500 square-foot parcels (Lots 22 and 23). Lot 4 is developed with an approximately 9,145-square-foot structure. Lots 22 and 23 are currently vacant.

2.3 SCOPE OF WORK

The scope of work for the Site includes, but may not be limited to the following:

Proposed Remediation

Site remediation is described in detail in the Remedial Action Work Plan. Impacted soil and//or groundwater will be encountered during the investigation.

2.4 LANGAN PROJECT TEAM ORGANIZATION

Table 3 describes the responsibilities of Langan personnel associated with this project. The names of principal personnel associated with this project are:

Principal/Associate:	Jason Hayes, P.E.	(212) 479-5427
Program Manager:	Joseph Good, P.E.	(212) 479-5448
Health & Safety Officer:	Tony Moffa	(215) 756-2523
Field Safety Officer	Paul McMahon	(212) 479-5451
Field Team Leader	Michele Rogers	(212) 479-5429

Quality Assurance Officer	Michael Burke	(212) 479-5413

All Langan personnel have been appropriately trained in first aid and hazardous waste safety procedures, including the operating and fitting of personal protective equipment, and are experienced with the field operations planned for this site.

TABLE 3
ON-SITE PERSONNEL AND RESPONSIBILITIES

PROJECT MANAGER - Assumes control over site activities. Reports to upper-level management. Has authority to direct response operations.

Responsibilities:

- Prepares and organizes the background review of the situation, the Work Plan, the Site Health and Safety Plan, and the field team.
- Obtains permission for site access and coordinates activities with appropriate officials.
- Ensures that the Work Plan is executed and on schedule.
- Briefs the field team on their specific assignments.
- Coordinates with the site Health and Safety Officer (HSO) to ensure that health and safety requirements are met.
- Prepares the final report and support files on the response activities.
- Serves as the liaison with public officials.

FIELD SAFETY OFFICER (FSO) - Advises the HSO and Project Manager on all aspects of health and safety on site. Stops work if any operation threatens worker or public health or safety.

Responsibilities:

- Ensures that all necessary Health and Safety Equipment is available on-site. Ensures that all equipment is functional.
- Periodically inspects protective clothing and equipment.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Controls entry and exit at the Access Control Points.
- Coordinates health and safety program activities with the Project HSO.
- Confirms each team member's suitability for work based on a physician's recommendation.
- Monitors the work parties for signs of stress, such as cold exposure, heat stress, and fatigue.
- Implements the Site Health and Safety Plan.
- Conducts periodic inspections to determine if the Site Health and Safety Plan is being followed.
- Enforces the "buddy" system.

TABLE 3 - CONTINUED
ON-SITE PERSONNEL AND RESPONSIBILITIES

Field Safety Officer Responsibilities (continued)

- Knows emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.
- Notifies, when necessary, local public emergency officials.
- Coordinates emergency medical care.
- Sets up decontamination lines and the decontamination solutions appropriate for the type of chemical contamination on the site.
- Controls the decontamination of all equipment, personnel, and samples from the contaminated areas.
- Assures proper disposal of contaminated clothing and materials.
- Ensures that all required equipment is available.
- Advises medical personnel of potential exposures and consequences.
- Notifies emergency response personnel by telephone or radio in the event of an emergency.

FIELD TEAM LEADER - Advises the Project Manager on all aspects of health and safety on site. Stops work if any operation threatens worker or public health or safety. Is directly responsible for the field team and the safety of site operations.

Responsibilities:

- Manages field operations.
- Executes the Work Plan and schedule.
- Enforces safety procedures.
- Coordinates with the Site Safety Officer in determining protection level.
- Enforces site control.
- Documents field activities and sample collection.
- Serves as a liaison with public officials.

WORK TEAM – Operators, laborers, samplers. The work party must consist of at least two people.

Responsibilities:

- Safely completes the on-site tasks required to fulfill the Work Plan.
- Complies with Site Safety Plan.
- Notifies Site Safety Officer or supervisor of suspected unsafe condition

SECTION 3 RISK ANALYSIS

3.1 CHEMICAL HAZARDS

Known or suspected contaminants at the Site include VOCs, SVOCs, metals, and pesticides. Other compounds that may be encountered are site equipment fuels (gasoline, diesel, etc.) that contain volatile components. Relevant properties of select compounds are outlined in Table 4, and complete Material Safety Data Sheets (MSDS) are included as Attachment C.

Dust, odors, and VOCs will be monitored continuously during remediation and construction activites on the perimeter of the work zones. Dust will be visually monitored and VOCs will be monitored with a portable PID. In addition, two stationary air-monitoring stations will be set up at the Site perimeters (one upwind and one downwind) during intrusive Site work for continuous monitoring. Each station will include a PID and a DustTrack aerosol monitor or equivalent.

MSDS for detected soil contaminants as well as decontamination solvents that will be used on site are included in Attachment C.

3.2 RADIATION HAZARDS

No radiation hazards are known or expected at the site.

3.3 BIOLOGICAL HAZARDS

3.3.1 Animals

During site operations, animals such as dogs, pigeons, sea gulls, mice, and rats may be encountered. Workers will use discretion and avoid all contact with animals. Bites and scratches from dogs can be painful and if the animal is rabid, the potential for contracting rabies exists. Contact with rat and mice droppings may lead to contracting hantavirus. Inhalation of dried pigeon droppings may lead to psittacosis; crytococcosis and histoplasmosis are also diseases associated with exposure to dried bird droppings but these are less likely to occur in this occupational setting.

TABLE 4
RELEVANT PROPERTIES OF VOLATILES (PETROLEUM [GASOLINE, DIESEL, ETC.]), METALS, SEMIVOLATILES, AND PESTICIDES KNOWN OR SUSPECTED AT THE SITE

Compound (Synonym)	OSHA PEL[(1)] (ppm)	IDLH (ppm)	LEL (%)	Odor Threshold[(2)] (ppm)	Odor Character	Vapor Pressure (mm Hg)	Physical State	Detectable w/ 10.6 eV lamp PID (I.P. eV)
Tetrachlorethene	25	150	NA	NA	Sweet	14	NonCombustible Liquid	Yes
Trichloroethene	50	1000	8	NA	Sweet	58	Combustible Liquid	Yes
Benzene	1	500	1.2	NA	Aromatic	75	Flammable Liquid	Yes
Mercury(Hg)	0.01 mg/m3	10 mg/m3	NA	NA	Odorless	0.0012	Noncombustible Liquid	NA
Arsenic	NA	5 mg/m3 (CA)	NA	NA	Odorless	0 (approx.)	Noncombustible Solid	NA
Lead (Pb)	0.05 mg/m3	100 mg/m3	NA	NA	Odorless	0 (approx.)	Noncombustible Solid	NA
Nickel	1 mg/m3	10 mg/m3 (Ca)	NA	NA	Odorless	0 (approx.)	Noncombustible Solid	NA
Copper	1 mg/m3	100 mg/m3	NA	NA	NA	NA	Solid	NA
Antimony	0.5 mg/m3	50 mg/m3	NA	NA	NA	0 (approx.)	Noncombustible Solid	NA
Iron	NA	NA	NA	NA	NA	0 (approx.)	Noncombustible Solid	NA
Manganese	5 mg/m3	500 mg/m3	NA	NA	NA	0 (approx.)	Combustible Solid	NA
Sodium	NA	NA	NA	NA	NA	NA	Combustible Solid	NA

TABLE 4
RELEVANT PROPERTIES OF VOLATILES (PETROLEUM [GASOLINE, DIESEL, ETC.]), METALS, SEMIVOLATILES, AND PESTICIDES KNOWN OR SUSPECTED AT THE SITE

Compound (Synonym)	OSHA PEL[1] (ppm)	IDLH (ppm)	LEL (%)	Odor Threshold (ppm)	Odor Character	Vapor Pressure (mm Hg)	Physical State	Detectable w/ 10.6 eV lamp PID (I.P. eV)
Zinc	NA	NA	NA	NA	NA	NA	Noncombustible Solid	NA
Dibenz(a,h)anthracene	0.2 mg/m3	NA (CA)	NA	NA	NA	0 (approx.)	Combustible Solid	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	Odorless	0 (approx.)	Combustible Solid	NA
Chrysene	0.2 mg/m3	NA (CA)	NA	NA	Odorless	0 (approx.)	Noncombustible Solid	NA
Benzo(a)anthracene	0.2 mg/m3	NA (CA)	NA	NA	Odorless	0 (approx.)	Noncombustible Solid	NA
Benzo(a)pyrene	0.2 mg/m3	80 (CA)	NA	NA	NA	0 (approx.)	Combustible Solid	NA
Benzo(b)fluoranthene	0.2 mg/m3	NA (CA)	NA	NA	Odorless	0 (approx.)	Combustible Solid	NA
Benzo(k)fluoranthene	NA	NA (CA)	NA	NA	NA	0 (approx.)	Solid	NA
4-4'-DDD	NA	NA	NA	NA	NA	0 (approx.)	Solid	NA
4-4'-DDT	1 mg/m3	500 mg/m3	NA	NA	Aromatic	0 (approx.)	Solid	NA

(1) 29 CFR 1910, June 30, 1993 (8-hour Time weighted average unless otherwise specified.)
[IDLH] Immediately dangerous to life or health
[CA] Suspect carcinogen - Minimize all possible exposures

3.3.2 Insects

Insects, including bees, wasps, hornets, mosquitoes, and spiders, may be present at this site. Some individuals may have a severe allergic reaction to an insect bite or sting that can result in a life threatening condition. In addition, mosquito bites may lead to St. Louis encephalitis or West Nile encephalitis. Personnel that have been bitten or stung by an insect at the Site should notify the HSO or FSO of such immediately. The following is a list of preventive measures:

- Apply insect repellent prior to fieldwork and or as often as needed throughout the shift.

- Wear proper protective clothing (work boots, socks and light colored pants).

- When walking in wooded areas, to the extent possible avoid contact with bushes, tall grass, or brush.

- Field personnel who may have insect allergies (e.g., bee sting) should provide this information to the HSO or FSO prior to commencing work, and will have allergy medication on Site.

The HSO or FSO will instruct the project personnel in the recognition and procedures for encountering potentially hazardous insects at the Site.

Lyme disease is caused by infection from a deer tick that carries a spirochete. During the painless tick bite, the spirochete may be transmitted into the bloodstream, which could lead to the worker contracting Lyme disease. This flu like illness occurs out of season, commonly happening between May and October when ticks are more active. Symptoms can include a stiff neck, chills, fever, sore throat, headache, fatigue and joint pain. Early signs may include an expanding skin rash and joint pain. If left untreated, Lyme disease can cause serious nerve or heart problems as well as a disabling type of arthritis. If personnel feel sick or have signs similar to those above, they should notify the HSO or FSO immediately.

It is recommended that personnel check themselves when in areas that could harbor deer ticks, wear light color clothing and visually check themselves and their buddy when coming from wooded or vegetation covered areas. If a tick is found biting an individual, the HSO or FSO should be contacted immediately. The tick can be removed by pulling gently at the head with tweezers. The affected area should then be disinfected with an antiseptic wipe.

3.4 PHYSICAL HAZARDS

3.4.1 Explosion

No explosion hazards are expected for the scope of work at this site.

3.4.2 Heat Stress

The use of Level C protective equipment, or greater, may create heat stress. Monitoring of personnel wearing personal protective clothing should commence when the ambient temperature is 72^{O}F or above. Table 5 presents the suggested frequency for such monitoring. Monitoring frequency should increase as ambient temperature increases or as slow recovery rates are observed. Refer to the Table 6 below to assist in assessing when the risk for heat related illness is likely. To use this table, the ambient temperature and relative humidity must be obtained (a regional weather report should suffice). Heat stress monitoring should be performed by the Field Safety Officer, who shall be able to recognize symptoms related to heat stress.

Table 5
Suggested Frequency of Physiological Monitoring
For Fit and Acclimated Workers[a]

Adjusted Temperature[b]	Normal Work Ensemble[c]	Impermeable Ensemble
90°F or above (32.2°C) or above	After each 45 min. of work	After each 15 min. of work
87.5°F (30.8°-32.2°C)	After each 60 min. of work	After each 30 min. of work
82.5°-87.5°F (28.1°-30.8°C)	After each 90 min. of work	After each 60 min. of work
77.5°-82.5°F (25.3°-28.1°C)	After each 120 min. of work	After each 90 min. of work
72.5°-77.5°F (22.5°-25.3°C)	After each 150 min. of work	After each 120 min. of work

a For work levels of 250 kilocalories/hour.

b Calculate the adjusted air temperature (ta adj) by using this equation: ta adj ^{O}F = ta ^{O}F + (13 x % sunshine). Measure air temperature (ta) with a standard mercury-in-glass thermometer, with the bulb shielded from radiant heat. Estimate percent sunshine by judging what percent time the sun is not covered by clouds that are thick enough to produce a shadow. (100 percent sunshine = no cloud cover and a sharp, distinct shadow; 0 percent sunshine = no shadows.)

c A normal work ensemble consists of cotton coveralls or other cotton clothing with long sleeves and pants.

Table 6 - HEAT INDEX

ENVIRONMENTAL TEMPERATURE (Fahrenheit)

RELATIVE HUMIDITY	70	75	80	85	90	95	100	105	110	115	120
	APPARENT TEMPERATURE*										
0%	64	69	73	78	83	87	91	95	99	103	107
10%	65	70	75	80	85	90	95	100	105	111	116
20%	66	72	77	82	87	93	99	105	112	120	**130**
30%	67	73	78	84	90	96	104	113	123	**135**	**148**
40%	68	74	79	86	93	101	110	123	**137**	**151**	
50%	69	75	81	88	96	107	120	**135**	**150**		
60%	70	76	82	90	100	114	**132**	**149**			
70%	70	77	85	93	106	124	**144**				
80%	71	78	86	97	113	**136**					
90%	71	79	88	102	122						
100%	72	80	91	108							

*Combined Index of Heat and Humidity...what it "feels like" to the body
Source: National Oceanic and Atmospheric Administration

How to use Heat Index:
1. Across top locate Environmental Temperature
2. Down left side locate Relative Humidity
3. Follow across and down to find Apparent Temperature
4. Determine Heat Stress Risk on chart at right

Note: Exposure to full sunshine can increase Heat Index values

Apparent Temperature	Heat Stress Risk with Physical Activity and/or Prolonged Exposure
90-105	Heat Cramps or Heat Exhaustion Possible
105-130	Heat Cramps or Heat Exhaustion Likely, Heat Stroke Possible

To monitor the workers, be familiar with the following heat-related disorders and their symptoms:

- **Prickly Heat** (Heat rash)
  - Painful, itchy red rash. Occurs during sweating, on skin covered by clothing.
- **Heat Cramps**
  - Painful spasm of arm, leg or abdominal muscles, during or after work.
- **Heat Exhaustion**
  - Headache, nausea, dizziness. Cool, clammy, moist skin. Heavy sweating. Weak, fast pulse. Shallow respiration, normal temperature.
- **Heat Fatigue**
  - Weariness, irritability, loss of skill for fine or precision work. Decreased ability to concentrate. No loss of temperature control.
- **Heat Syncope** (Heat Collapse)
  - Fainting while standing in a hot environment.
- **Heat Stroke**
  - Headache, nausea, weakness, hot dry skin, fever, rapid strong pulse, rapid deep respirations, loss of consciousness, convulsions, coma. **This is a life threatening condition.**

    Do not permit a worker to wear a semi-permeable or impermeable garment when they are showing signs or symptoms of heat-related illness.

To monitor the worker, measure:

- Heart rate. Count the radial pulse during a 30-second period as early as possible in the rest period.
  - If the heart rate exceeds 100 beats per minute at the beginning of the rest period, shorten the next work cycle by one-third and keep the rest period the same.
  - If the heart rate still exceeds 100 beats per minute at the next rest period, shorten the following work cycle by one-third. A worker cannot return to work after a rest period until their heart rate is below 100 beats per minute.
- Oral temperature. Use a clinical thermometer (3 minutes under the tongue) or similar device to measure the oral temperature at the end of the work period (before drinking).

- If oral temperature exceeds 99.6^{O}F (37.6^{O}C), shorten the next work cycle by one-third without changing the rest period. A worker cannot return to work after a rest period until their oral temperature is below 99.6^{O}F.
- If oral temperature still exceeds 99.6^{O}F (37.6^{O}C) at the beginning of the next rest period, shorten the following cycle by one-third.
- Do not permit a worker to wear a semi-permeable or impermeable garment when oral temperature exceeds 100.6^{O}F (38.1^{O}C).

Prevention of Heat Stress - Proper training and preventative measures will aid in averting loss of worker productivity and serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress the following steps should be taken:

- Adjust work schedules.
- Mandate work slowdowns as needed.
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided.
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods.
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in sweat, id., eight fluid ounces (0.23 liters) of water must be ingested for approximately every eight ounces (0.23 kg) of weight lost. The normal thirst mechanism is not sensitive enough to ensure that enough water will be drunk to replace lost sweat. When heavy sweating occurs, encourage the worker to drink more. The following strategies may be useful:
  - Maintain water temperature 50^{O} to 60^{O}F (10^{O} to 16.6^{O}C).
  - Provide small disposal cups that hold about four ounces (0.1 liter).
  - Have workers drink 16 ounces (0.5 liters) of fluid (preferably water or dilute drinks) before beginning work.
  - Urge workers to drink a cup or two every 15 to 20 minutes, or at each monitoring break. A total of 1 to 1.6 gallons (4 to 6 liters) of fluid per day are recommended, but more may be necessary to maintain body weight.
  - Train workers to recognize the symptoms of heat related illness.

3.4.3 Cold-Related Illness

If work on this project begins in the winter months, thermal injury due to cold exposure can become a problem for field personnel. Systemic cold exposure is referred to as hypothermia. Local cold exposure is generally called frostbite.

Hypothermia - Hypothermia is defined as a decrease in the patient core temperature below 96^{O}F. The body temperature is normally maintained by a combination of central (brain and spinal cord) and peripheral (skin and muscle) activity. Interference with any of these mechanisms can result in hypothermia, even in the absence of what normally is considered a "cold" ambient temperature. Symptoms of hypothermia include: shivering, apathy, listlessness, sleepiness, and unconsciousness.

Frostbite - Frostbite is both a general and medical term given to areas of local cold injury. Unlike systemic hypothermia, frostbite rarely occurs unless the ambient temperatures are less than freezing and usually less than 20^{O}F. Symptoms of frostbite are: a sudden blanching or whitening of the skin; the skin has a waxy or white appearance and is firm to the touch; tissues are cold, pale, and solid.

Prevention of Cold-Related Illness - To prevent cold-related illness:

- Educate workers to recognize the symptoms of frostbite and hypothermia
- Identify and limit known risk factors:
- Assure the availability of enclosed, heated environment on or adjacent to the site.
- Assure the availability of dry changes of clothing.
- Assure the availability of warm drinks.
- Start (oral) temperature recording at the job site:
    - At the FSO or Field Team Leader's discretion when suspicion is based on changes in a worker's performance or mental status.
    - At a worker's request.
    - As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind-chill less than 20^{O}F, or wind-chill less than 30^{O}F with precipitation).
    - As a screening measure whenever any one worker on the site develops hypothermia.

Any person developing moderate hypothermia (a core temperature of 92^{O}F) cannot return to work for 48 hours.

3.4.4 Noise

Work activities during the proposed construction activities may be conducted at locations with high noise levels from the operation of equipment. Hearing protection will be used as necessary.

3.4.5 Hand and Power Tools

In order to complete the various tasks for the project, personnel will utilize hand and power tools. The use of hand and power tools can present a variety of hazards, including physical harm from being struck by flying objects, being cut or struck by the tool, fire, and electrocution. Ground Fault Circuit Interrupters (GFCIs) are required for all portable tools.

3.4.6 Slips, Trips and Fall Hazards

Care should be exercised when walking at the site, especially when carrying equipment. The presence of surface debris, uneven surfaces, pits, facility equipment, and soil piles contribute to tripping hazards and fall hazards. To the extent possible, all hazards should be identified and marked on the Site, with hazards communicated to all workers in the area.

3.4.7 Utilities (Electrocution and Fire Hazards)

The possibility of encountering underground utilities poses fire, explosion, and electrocution hazards. All excavation work will be preceded by review of available utility drawings and by notification of the subsurface work to the N.Y. One Call Center. Potential adverse effects of electrical hazards include burns and electrocution, which could result in death.

3.5 TASK HAZARD ANALYSIS

3.5.1 Soil Excavation and Soil and Groundwater Sampling

The following hazards are associated with RAWP activities (e.g., soil transport and grading):

- Heavy grading equipment (impact hazard to workers)
- Uneven land surface (slip and trip hazard)
- Contaminated media (chemical exposure hazard)

Soil exaction and grading activities are inherently dangerous. Special attention should be given to establishing the location of any underground utilities prior to excavating.

Chemical exposure may occur as these activities progress across the site, where workers may be exposed to contaminants in the excavated soils, encountered groundwater, or products used on-site including gasoline, diesel, and motor oil. Also, sampling of both in-situ and stockpiled soils presents similar potential exposure hazard. Activities will be conducted initially in Level D but may be upgraded to Modified Level D. Although not anticipated, there will be a Level C and B contingency should pockets of contaminants be brought to the surface and breathing zone air becomes contaminated.

If evidence of historic or unknown contamination is encountered during remediation activities or other contaminated materials, such as oily materials, high PID readings, etc., the FSO will make a determination of the appropriate level of personnel protection.

SECTION 4 PERSONNEL PROTECTION AND MONITORING

4.1 OSHA TRAINING

All on-site personnel who will be actively involved in construction activities that involve potentially encountering hazardous waste must have completed hazardous waste operations-related training, as required by OSHA Regulations 29 CFR 1910.120. Personnel who completed this training more than 12 months prior to the start of the project must have completed an 8-hour refresher course within the past 12 months. Documentation of OSHA training for project personnel must be provided to Langan prior to starting work.

4.2 SITE-SPECIFIC TRAINING

The Site Safety Officer will be responsible for developing a site-specific occupational hazard training program and providing training to all personnel that are to work at the site. This training will be conducted prior to starting field work and will consist of the following topics:

- Names of personnel responsible for site safety and health.
- Hazards potentially present at the site.
- Proper use of personal protective equipment.
- Requirements of this CHASP.
- Work practices by which the employee can minimize risk from hazards. This may include a specific review of heavy equipment safety, safety during inclement weather, changes in common escape rendezvous point, site security measures, or other site-specific issues that need to be addressed before work begins.
- Safe use of engineering controls and equipment on the site.
- Acute effects of compounds present at the site.
- Decontamination procedures.

Upon completion of site-specific training, workers will sign the Site-Specific-Training Form provided in Attachment B. A copy of the completed Site-Specific Training Form will be included in the project files for future reference.

4.3 MONITORING REQUIREMENTS

Worker air monitoring and community air monitoring (as described in Section 7.4) will be conducted at the start of field work.

The FSO will visually monitor the perimeter of the work area for evidence of sustained visible emissions. Work activities will be suspended until dust levels diminish to an acceptable level if sustained emissions are observed.

VOCs will be monitored at the perimeter of the work area with a PID (MiniRAE 2000 or equivalent) in accordance with the CHASP with an action level of 25 ppm in the absence of benzene. If the action level is exceeded and adequate ventilation cannot be provided, work will cease and the potential affected portion of the work area will be evacuated until adequate mechanical ventilation can be set up to control the hazard. Level C respiratory protection may be donned in accordance with the CHASP if untrained personnel are not present and the action level is exceeded.

In addition, two stationary air-monitoring stations will be set up at Site perimeters (one upwind and one downwind) during intrusive activities for continuous monitoring. Each station will include a PID and a DustTrak aerosol monitor or equivalent. If air monitoring during operations identifies the presence of volatile organic compounds (not anticipated because of natural ventilation), the action levels, permissible exposure, engineering controls, and personal protective equipment specified in this HASP will be implemented. A PID (MiniRAE 300 or equivalent) will be used to monitor for organic vapors in the breathing zone and to screen soil samples. Air monitoring results will be recorded in the field book during investigation activities and made available for review.

4.4 SUMMARY OF ACTION LEVELS AND RESTRICTIONS

A PID, equipped with a 10.6 eV lamp shall be used to screen for total VOCs. All readings pertain to sustained readings for 15 minutes in the worker breathing zone. The following conditions shall apply to each level of protection.

Conditions for Level D:

All areas where PID readings < 25 ppm and Benzene < 1 ppm

Conditions for Level C:

- All areas where PID readings > 25 ppm or Benzene > 1 ppm (sustained for 15 minutes in the breathing zone) to 200 ppm

Conditions for Level B (or retreat):

All areas where PID readings > 500 ppm or Benzene > 20 ppm

4.4.1 Level D and Modified Level D

Level D protection will be worn for initial entry on-site and initially for all activities. Level D protection will consist of:

- Standard work clothes

- Steel-toe safety boots
- Safety glasses (goggles must be worn when splash hazard is present)
- Nitrile gloves must be worn during all activities requiring contact with grossly-contaminated soils.
- Hard hat (must be worn during all site activities)

Modified Level D is the same as Level D but includes Tyvek coveralls and disposable polyethylene overboots to contact with the skin or clothes if significant contamination is present in subsurface materials.

4.4.2 Level C

The level of personal protection will be upgraded to Level C if the concentration of volatile organic compounds which can be detected with a photoionization detector (PID) in the breathing zone equals or exceeds the specified action limits and the contaminants of concern have characteristic warning properties appropriate for air purifying respirators (e.g. taste, odor). Level C protection will consist of the following equipment:

- Full-face or half-mask air-purifying respirator (APR) or powered air purifier (PAPR), depending on presence and abundance of airborne toxic constituents of concern
- Combination HEPA filter/organic vapor cartridges
- Tyvek coveralls must be worn if particulate hazard present
- PE-coated Tyvek coveralls if liquid contamination present
- Steel-toe safety boots
- Nitrile outer gloves must be worn during all activities requiring contact with saturated soil.
- Hard hat (must be worn during all site activities)

Cartridges will be disposed at the end of each day's use.

4.4.3 Level B (Retreat)

If the concentration of volatile organics which can be detected with a PID equals or exceeds the specified action levels, all field personnel associated with the project will immediately retreat to a location up-wind of the source of contamination. At this point the Site Safety Officer must consult with the Langan HSO to discuss appropriate actions.

4.4.4 OSHA Requirements for Personal Protective Equipment

All personal protective equipment used during the course of this field investigation must meet the following OSHA standards:

Type of Protection	Regulation	Source
Eye and Face	29 CFR 1910.133 29 CFR 1926.102	ANSI Z87.1-1968
Respiratory	29 CFR 1910.134 29 CFR 1926.103	ANSI Z88.1-1980
Head	29 CFR 1910.135 29 CFR 1926.100	ANSI Z89.1-1969
Foot	29 CFR 1910.136 29 CFR 1926.96	ANSI Z41.1-1967

ANSI = American National Standards Institute

Both the respirator and cartridges specified for use in Level C protection must be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910.1025; 29 CFR 1910.134).

Based on performance criteria of air purifying respirators, they cannot be worn under the following conditions:

- Oxygen deficiency;
- Immediately Dangerous to Life or Health (IDLH) concentrations;
- High relative humidity; and
- If contaminant levels exceed designated use concentrations.

SECTION 5 WORK ZONES AND DECONTAMINATION

5.1 SITE WORK ZONES

To reduce the spread of hazardous materials by workers from potentially contaminated areas to the clean areas, work zones will be delineated at the site, as required. The flow of personnel between the zones should be controlled. The establishment of the work zones will help ensure that personnel are properly protected against the hazards present where they are working, and ensure that work activities and contamination are confined to the appropriate areas. The work zones described below may be modified in the field depending on field conditions.

5.1.1 Hot Zone

Hot zones will be established within a 25 foot radius around construction activities involving hazardous materials, where applicable and feasible. All personnel within the hot zone must don the appropriate levels of personal protection as set forth by the FSO. It is not anticipated that Level C or higher will be required for this site.

All personnel within the hot zone will be required to use the specified level of protection. No food, drink, or smoking will be allowed in the hot or warm zones.

5.1.2 Warm Zone

If PID action levels are exceeded or obvious indications of contamination (by sight or odor) are encountered, a warm zone will be established and utilized during the field activities. This zone will be established between the hot zone and the cold zone (discussed below), and will include the personnel and equipment necessary for decontamination of equipment and personnel exiting the hot zone. Personnel and equipment in the hot zone must pass through this zone before entering the cold zone. This zone should always be located upwind of the hot zone.

5.1.3 Cold Zone

The cold zone will include the remaining areas of the job site. Break areas and support facilities (include equipment storage and maintenance areas) will be located in this zone. No equipment or personnel will be permitted to enter the cold zone from the hot zone without passing through the decontamination station in the warm zone (if necessitated). Eating, smoking, and drinking will be allowed only in this area.

5.2 DECONTAMINATION

Any water used in decontamination procedures will be placed in containers, temporarily stored on-site, and properly characterized and disposed.

5.2.1 Decontamination of Personnel

Decontamination of personnel will be necessary for all Site workers in contact with contaminated material. All Site workers shall pass through a cleaning procedure when exiting the active work areas in the contaminated material; including washing their hands and removing any loose material from their clothing and boots. This will be accomplished in the designated Site Worker Cleaning Area to be located adjacent to active work areas in the contaminated material. A field wash station for Site Workers, equipment, and PPE shall be set up and maintained by the Contractor. This will include a gross wash and rinse for boots worn in contaminated material areas and, as necessary, equipment and facilities for Site Workers to wash their hands, arms, neck, and face after exiting areas of contaminated material.

5.2.2 Decontamination of Field Equipment

Decontamination of field equipment will be necessary for all equipment in contact with contaminated material. Decontamination activities shall be performed in the Vehicle Cleaning Area. Equipment to be decontaminated includes, but is not limited to, excavators and pumping equipment, and shall be cleaned prior to 1) crossing into areas of the Site where no contaminated material is present; 2) handling non-contaminated material/topsoil; and 3) leaving the Site.

5.2.3 Vehicle Cleaning Area/Stabilized Construction Entrances

If required during soil handling, one or more temporary vehicle cleaning areas will be constructed to clean disposal trucks and other vehicles and equipment prior to leaving the Site. This area will reduce the amount of contaminated material that disposal trucks and other vehicles spread onto the public roadway. The vehicle cleaning area will be constructed of gravel and will be of sufficient size to prevent vehicles from spreading contaminated material into the public roads and/or previously excavated areas of the Site where all contaminated material has been removed. Before any disposal truck or other vehicle leaves the Site, the sides and wheels will be inspected. If any contaminated materials are observed on the wheels or body of the truck, they will be removed and collected for disposal using a shovel, broom, and/or other hand tools in the designated cleaning area. The vehicle cleaning area may be upgraded to include wet vehicle cleaning procedures (i.e., power washing), if deemed necessary by the FSO.

5.3 REMEDIAL ACTIVITY-DERIVED WASTE

All PPE related remedial activity-derived waste materials (PPE, decontamination waste) will be placed in labeled containers and appropriately disposed. Contaminated soil will be kept moist, properly characterized and disposed off-site. Stockpiling of contaminated materials will only occur temporarily and if adequate space exists.

SECTION 6 ACCIDENT PREVENTION AND CONTINGENCY PLAN

6.1 ACCIDENT PREVENTION

6.1.1 Site-Specific Training

All field personnel will receive health and safety training prior to the initiation of any site activities. The site-specific training form provided in Attachment B must be signed, dated, and returned to the Langan Field Safety Officer. On a day-to-day basis, individual personnel should be constantly alert for indicators of potentially hazardous situations and for signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency. Before daily work assignments, a regular meeting should be held. Discussion should include:

- Tasks to be performed;
- Time constraints (e.g., rest breaks, cartridge changes);
- Hazards that may be encountered, including their effects, how to recognize symptoms or monitor them, concentration limits, or other danger signals; and
- Emergency procedures.

6.1.2 Vehicles and Heavy Equipment

Working with large motor vehicles and heavy equipment could be a major hazard at this site. Injuries can result from equipment hitting or running over personnel, impacts from flying objects, or overturning of vehicles. Vehicle and heavy equipment design and operation will be in accordance with 29 CFR, Subpart O, 1926.600 through 1926.602. In particular, the following precautions will be utilized to help prevent injuries/accidents.

- Brakes, hydraulic lines, light signals, fire extinguishers, fluid levels, steering, tires, horn, and other safety devices will be checked at the beginning of each shift.
- Large construction motor vehicles will not be backed up unless:
  - The vehicle has a reverse signal alarm audible above the surrounding noise level; or
  - The vehicle is backed up only when an observer signals that it is safe to do so.
- Heavy equipment or motor vehicle cable will be kept free of all nonessential items, and all loose items will be secured.
- Large construction motor vehicles and heavy equipment will be provided with necessary safety equipment (such as seat belts, roll-over protection, emergency shut-off in case of roll-over, backup warning lights and audible alarms).

- Blades and buckets will be lowered to the ground and parking brakes will be set before shutting off any heavy equipment or vehicles.

6.2 SPILL CONTROL PLAN

All personnel must take every precaution to minimize the potential for spills during site operations. Any spill shall be reported immediately to the FSO. Spill control apparatus (sorbent materials) will be located on-site. All materials used for the cleanup of spills will be containerized and labeled separately from other wastes, as required.

6.3 CONTINGENCY PLAN

6.3.1 Emergency Procedures

In the event that an emergency develops on site, the procedures delineated herein are to be immediately followed. Emergency conditions are considered to exist if:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on site.
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.

General emergency procedures, and specific procedures for personal injury, chemical exposure and radiation exposure, are described below.

6.3.2 Chemical Exposure

If a member of the field crew demonstrates symptoms of chemical exposure the procedures outlined below should be followed:

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the Field Team Leader (via voice and hand signals) of the chemical exposure. The Field Team Leader should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eye wash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the Langan Health and Safety Officer. The Field Safety Officer or Field Team Leader is responsible for completing the accident report.

6.3.3 Personal Injury

In case of personal injury at the site, the following procedures should be followed:

- Another team member (buddy) should signal the Field Team Leader that an injury has occurred.
- A field team member trained in first aid can administer treatment to an injured worker.
- The victim should then be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- For less severe cases, the individual can be taken to the site dispensary.
- The Field Team Leader or Field Safety Officer is responsible for making certain that an Accident Report Form is completed. This form is to be submitted to the Langan Health and Safety Officer. Follow-up action should be taken to correct the situation that caused the accident.
- Any incident (near miss, property damage, first aid, medical treatment, etc.) must be reported.

A first-aid kit and blood-born pathogens kit will be kept on-site during the field activities.

6.3.4 Evacuation Procedures

- The Field Team Leader will initiate evacuation procedures by signaling to leave the site.
- All personnel in the work area should evacuate the area and meet in the common designated area.
- All personnel suspected to be in or near the contract work area should be accounted for and the whereabouts or missing persons determined immediately.
- The Field Team Leader will then give further instruction.

6.3.5 Procedures Implemented in the Event of a Major Fire, Explosion, or Emergency

- Notify the paramedics and/or fire department, as necessary;
- Signal the evacuation procedure previously outlined and implement the entire procedure;
- Isolate the area;
- Stay upwind of any fire;
- Keep the area surrounding the problem source clear after the incident occurs;
- Complete accident report for and distribute to appropriate personnel.

6.4 ODOR, VAPOR AND DUST MONITORING AND RESPONSE

6.4.1 Community Air Monitoring Plan (CAMP)

Real-time air monitoring for VOCs and particulate levels at the upwind and downwind site perimeter will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated soil or groundwater. Ground intrusive activities include, but are not limited to, soil excavation and grading.

Periodic monitoring for VOCs will be performed during the site work. Periodic monitoring during site work, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while excavating/grading, and taking a reading prior to leaving a sample location. Exceedances of action levels observed during performance of the CAMP will be reported to the Project Manager.

VOC Monitoring, Response Levels, and Actions

VOCs will be monitored during invasive work. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate.

- If the ambient air concentration of total organic vapors at the downwind perimeter exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

Particulate Monitoring, Response Levels, and Actions

Particulate or dust will be monitored daily during construction operations through an air sampling grogram set up to monitor particulate in air concentrations at the site boundary. The National Ambient Air Quality Standard for Respirable Particulates, which are defined as particles 10ug (PM10) in diameter or less, is 150 ug/m3. Based on this

standard, dust exposure from excavation activities should not exceed 150 ug/m3 above background and monitoring should be within the work area if exceedances of this standard are anticipated.

The NYSDEC defines fugitive dust as particulate matter that is not from a specific source and could include discrete particles, droplets, and solids over a wide range of sizes. Most continuous dust monitors are designed to provide maximum response to PM10 particulate, since these particles are considered respirable.

Based on the air monitoring results, dust suppression may need to be implemented. This could include the following:

- Appling water to the excavation surface
- Wetting equipment
- Spraying work area
- Utilizing alternate work methods
- Implementing site speed restrictions

Continuous, real-time air monitoring shall be conducted at the property boundary (upwind and downwind). Monitoring results shall be kept in a logbook and used to initiate additional dust control measures as necessary.

6.4.2 Vapor Emission Response Plan

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the hot zone, work activities will be halted or odor controls will be employed, and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume, provided:

- The organic vapor level outside the hot zone is below 1 ppm over background, and
- More frequent intervals of monitoring, as directed by the Site Health and Safety Officer, are conducted.

If the organic vapor level is greater than 5 ppm above background at the perimeter of the hot zone, work activities must be shut down or odor controls must be employed. When work shut-down occurs, downwind air monitoring as directed by the Site Health and Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

6.4.3 Major Vapor Emission

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work site, or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted or odor controls must be implemented.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the hot zone, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If either of the following criteria is exceeded in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be implemented.

- Sustained organic vapor levels approaching 5 ppm above background for a period of more than 30 minutes, or
- Organic vapor levels greater than 5 ppm above background for any time period.

6.4.4 Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. The local police authorities will immediately be contacted by the Site Health and Safety Officer and advised of the situation;
2. Frequent air monitoring will be conducted at 30-minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Site Health and Safety Officer; and

All Emergency contacts will go into effect as appropriate.

ATTACHMENT A

Air Monitoring Equipment Calibration and Maintenance

All monitoring instruments must be calibrated and maintained periodically. Calibration and on-site maintenance records will be kept in the field log book. The operator must understand the limitations and possible sources of errors for each instrument. It is important that the operator checks that the instrument responds properly to the substances it was designed to monitor. Portable air quality monitoring equipment that measures total ionizables present such as the RaeSystems MiniRae 2000 (or equivalent) photoionization detector (PID) must be calibrated at least once each day. DusTRAK aerosol monitors must be calibrated daily. The specific instructions for calibration and maintenance provided for each instrument should be followed.

ATTACHMENT B

Forms for Health and Safety Related Activity

Note: The OSHA Job Safety and Health Protection Poster must be posted prominently during field activities. The following page is an example of the poster to be used in the field. The actual poster must be an 11 inch by 17 inch size version of this page. The OSHA 300 Log of injuries and illnesses is maintained in the home office of each Langan employee.

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act*.
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.

The *Occupational Safety and Health Act of 1970 (OSH Act)*, P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act*. The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA
www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

Langan **ACCIDENT REPORT FORM**

Project Name:_____

Injured or Ill Employee

1. Name _____ Social Security #_____
   (First) (Middle) (Last)
2. Home Address _____
   (No. and Street) (City or Town) (State and Zip)
3. Age _____ 4. Sex: Male ( ) Female ( )
5. Occupation _____
   (Specific job title, not the specific activity employee was performing at time of injury)
6. Department _____
   (Enter name of department in which injured person is employed, even though they
   may have been temporarily working in another department at the time of injury)

Employer

7. Name _____
8. Mailing Address _____
   (No. and Street) (City or Town) (State and Zip)
9. Location (if different from mailing address):_____
   _____

The Accident or Exposure to Occupational Illness

10. Place of accident or exposure _____
    (No. and Street) (City or Town) (State and Zip)
11. Was place of accident or exposure on employer's premises? _____(Yes/No)
12. What was the employee doing when injured?_____
    _____
    (Be specific - was employee using tools or equipment or handling material?)
    _____
13. How did the accident occur? _____
    (Describe fully the events that resulted in the injury or
    _____
    occupational illness. Tell what happened and how. Name objects and substances involved.
    _____
    Give details on all factors that led to accident. Use separate sheet if needed)
14. Time of accident: _____
15. Date of injury or initial diagnosis of occupational illness _____

16. WITNESS TO ACCIDENT

(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)

Occupational Injury or Occupational Illness

17. Describe the injury or illness in detail; indicate part of body affected.

18. Name the object or substance that directly injured the employee. (For example, object that struck employee; the vapor or poison inhaled or swallowed; the chemical or radiation that irritated the skin; or in cases of strains, hernias, etc., the object the employee was lifting, pulling, etc.)

19. Did the accident result in employee fatality? _____ (Yes or No)
20. Number of lost workdays ____/restricted workdays _____ resulting from injury or illness?

Other

21. Did you see a physician for treatment? _____ (Yes or No) _____ (Date)
22. Name and address of physician _____

(No. and Street) (City or Town) (State and Zip)

23. If hospitalized, name and address of hospital _____

(No. and Street) (City or Town) (State and Zip)

Date of report _____ Prepared by _____

Official position _____

Project Health and Safety Plan and Work plan Acceptance Form

(For Langan employees only)

I have read and agree to abide by the contents of the Work Plan and Health and Safety Plan for the following project:

_____

(Project Title) (Project Number)

Furthermore, I have read and am familiar with the work plan or proposal that describes the field work to be conducted and the procedures to be utilized in the conduct of this work.

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

Site-Specific Health and Safety Training

(For all Langan and subcontract employees on site)

I hereby confirm that site-specific health and safety training has been conducted by the site health and safety officer that included:

- Names of personnel responsible for site safety and health
- Safety, health, and other hazards at the site
- Proper use of personal protective equipment
- Work practices by which the employee can minimize risk from hazards
- Safe use of engineering controls and equipment on the site
- Acute effects of compounds at the site
- Decontamination procedures

For the following project:

_____

(Project Title) (Project Number)

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

ATTACHMENT C

Material Safety Data Sheets

- Acetone
- Methylene chloride
- Vinyl Chloride
- Cis-1,2-dichloroethene
- Tetrachloroethene
- 1,4-dioxane
- 1,1 dichloroethane
- 1-1-dichloroethene
- Trans-1,2-dichloroethene
- 1,1,1-trichloroethane,
- Chloroethane
- 1,2,4-trimethylbenzene
- MTBE
- Benzene
- Ethylbenzene
- Toluene
- Xylenes
- Trichloroethene
- Phenanthrene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Dibenzo(a,h)anthracene
- Pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Chrysene
- Fluoranthene
- Ideno(1,2,3-cd)pyrene
- Naphthalene
- Phenol
- Bis(2-ethylhexyl)phthalate
- Fluorine
- Acenapthene
- Dibenzofuran
- Aluminum
- Antimony
- Arsenic
- Barium
- Cadmium
- Chromium
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Nickel
- Sodium
- Silver
- Zinc
- PCBs
- 4,4'-DDE
- 4,4'DDD
- 4,4'DDT
- Dieldrin
- Unleaded Gasoline
- Diesel Fuel
- Motor Oil, 10W-40
- Isobutylene Gas in Air, 100 ppm
- Compressed Air

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **ACETONE**

CAS Number: 67-64-1
DOT Number: UN 1090
DOT Hazard Class: 3 (Flammable Liquid)

RTK Substance number: 0006
Date: May 1998 Revision: December 2005

HAZARD SUMMARY

* **Acetone** can affect you when breathed in and may be absorbed through the skin.
* Contact can irritate the skin. Repeated skin exposure can cause dryness and cracking of the skin.
* Exposure can irritate the eyes, nose and throat.
* Exposure to a high concentration can cause headache, dizziness, lightheadedness, nausea and vomiting, and even passing out.
* **Acetone** is a FLAMMABLE LIQUID and a FIRE HAZARD.

IDENTIFICATION

Acetone is a clear, colorless liquid with a sweet odor. It is used as a solvent in nail polish remover and to make other chemicals.

REASON FOR CITATION

* **Acetone** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, IRIS, NFPA and EPA.
* This chemical is on the Special Health Hazard Substance List because it is **FLAMMABLE**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard 29 CFR 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Standard 29 CFR 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

* **ODOR THRESHOLD = 62 ppm**.
* The range of accepted odor threshold values is quite broad. Caution should be used in relying on odor alone as a warning of potentially hazardous exposures.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **1,000 ppm** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **250 ppm** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **500 ppm** averaged over an 8-hour workshift and **750 ppm** as a STEL (short term exposure limit).

* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Acetone** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Acetone** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Acetone**:

* Contact can irritate the skin.
* Exposure can irritate the eyes, nose and throat.
* Exposure to a high concentration can cause headache, dizziness, lightheadedness, nausea and vomiting, and even passing out.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Acetone** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Acetone** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* There is limited evidence that **Acetone** may damage the male reproductive system (including decrease in the sperm count) and affect female fertility in animals.

Other Long-Term Effects

* Repeated skin exposure can cause dryness and cracking of the skin.
* This chemical has not been adequately evaluated to determine whether brain or other nerve damage could occur with repeated exposure. However, many solvents and other petroleum-based chemicals have been shown to cause such damage. Effects may include reduced memory and concentration, personality changes (withdrawal, irritability), fatigue, sleep disturbances, reduced coordination, and/or effects on nerves supplying internal organs (autonomic nerves) and/or nerves to the arms and legs (weakness, "pins and needles").

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following are recommended:

* **Acetone** can be measured in the blood, urine, and expired air, and can be used as an index of exposure.
* Evaluate for brain effects such as changes in memory, concentration, sleeping patterns and mood (especially irritability and social withdrawal), as well as headaches and fatigue. Consider evaluations of the cerebellar, autonomic and peripheral nervous systems. Positive and borderline individuals should be referred for neuropsychological testing.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Standard 29 CFR 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically pump liquid **Acetone** from drums or other storage containers to process containers.
* Before entering a confined space where **Acetone** may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Acetone** should change into clean clothing promptly.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Acetone**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Acetone**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Acetone**, whether or not known skin contact has occurred.

* Do not eat, smoke, or drink where **Acetone** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Standard 29 CFR 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Acetone**. Wear solvent-resistant gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* Safety equipment manufacturers recommend *Butyl Rubber; Viton®/Butyl*; *Silver Shield/4H®*; *Responder®*; and *Tychem® HPS, BR/LV, SL* and *TK* as protective materials.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear indirect-vent, impact and splash resistant goggles when working with liquids.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in the OSHA Standard 29 CFR 1910.134.

* Where the potential exists for exposure over **250 ppm**, use a NIOSH approved full facepiece respirator with an organic vapor cartridge. Increased protection is obtained from full facepiece powered-air purifying respirators.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Acetone**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **2,500 ppm** is immediately dangerous to life and health. If the possibility of exposure above **2,500 ppm** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

HANDLING AND STORAGE

* Prior to working with **Acetone** you should be trained on its proper handling and storage.
* **Acetone** may explode when mixed with CHLOROFORM; CHROMIC ANHYDRIDE; and OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
* **Acetone** is not compatible with STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); AMINES; CLORINATED HYDROCARBONS; and METAL SALTS.
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT, SPARKS, FLAME, RESINS, RUBBER, PLASTICS, and COMBUSTIBLES.
* Sources of ignition, such as smoking and open flames, are prohibited where **Acetone** is used, handled, or stored.
* Metal containers involving the transfer of **Acetone** should be grounded and bonded.
* Use only non-sparking tools and equipment, especially when opening and closing containers of **Acetone**.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information
Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation
If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations
Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources
The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **Acetone**
DOT Number: **UN 1090**
DOT Hazard Class: **3 (Flammable Liquid)**
NAERG Code: **127**
CAS Number: **67-64-1**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	-	3
REACTIVITY	-	0
FLAMMABLE POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Acetone** is a FLAMMABLE LIQUID.
* Use dry chemical, CO_2, alcohol-resistant foam or other foaming agent, as water may not be effective in fighting fires.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* Vapors may travel to a source of ignition and flash back.
* Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Standard 29 CFR 1910.156.

SPILLS AND EMERGENCIES

If **Acetone** is spilled or leaked, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill or leak until clean-up is complete.
* Remove all ignition sources.
* Cover with an activated charcoal adsorbent and place in covered containers for disposal.
* Ventilate and wash area after clean-up is complete.
* Keep **Acetone** out of a confined space, such as a sewer, because of the possibility of an explosion.
* It may be necessary to contain and dispose of **Acetone** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Standard 29 CFR 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE (See page 3)

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 180 mm Hg at 68°F (20°C)
Flash Point: -4°F (-20°C)
Water Solubility: Miscible

OTHER COMMONLY USED NAMES

Chemical Name:
2-Propanone
Other Names:
Dimethylformaldehyde; Dimethyl Ketone; Ketone Propane

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NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **METHYLENE CHLORIDE**

CAS Number: 75-09-2
DOT Number: UN 1593

RTK Substance number: 1255
Date: November 1995 Revision: May 2001

HAZARD SUMMARY

* **Methylene Chloride** can affect you when breathed in and by passing through your skin.
* **Methylene Chloride** should be handled as a CARCINOGEN—WITH EXTREME CAUTION.
* Contact can irritate and burn the skin and eyes with possible eye damage.
* Breathing **Methylene Chloride** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
* **Methylene Chloride** may damage the liver and affect the kidneys and brain.

IDENTIFICATION

Methylene Chloride is a colorless liquid with a pleasant *Chloroform*-like odor. It is used in food, furniture and plastics processing, and as a paint remover.

REASON FOR CITATION

* **Methylene Chloride** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, NTP, DEP, IARC, HHAG, NFPA and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**, **MUTAGEN** and **TERATOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **25 ppm** averaged over an 8-hour workshift and **125 ppm**, not to be exceeded during any 15 minute work period.

NIOSH: Recommends that exposure to occupational carcinogens be limited to the lowest feasible concentration.

ACGIH: The recommended airborne exposure limit is **50 ppm** averaged over an 8-hour workshift.

* **Methylene Chloride** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Methylene Chloride** is handled, used, or stored as required by the OSHA Standard 29 CFR 1910.1052.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Methylene Chloride** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Methylene Chloride** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Methylene Chloride**:

* Contact can irritate and burn the skin and eyes with possible eye damage.
* Breathing **Methylene Chloride** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Methylene Chloride** and can last for months or years:

Cancer Hazard

* **Methylene Chloride** may be a CARCINOGEN in humans since it has been shown to cause liver and lung cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* There is limited evidence that **Methylene Chloride** causes spontaneous abortions.

Other Long-Term Effects

* **Methylene Chloride** can irritate the lungs. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.
* **Methylene Chloride** may damage the liver and affect the kidneys.
* Long term exposure may affect the brain, causing memory loss, poor coordination, and reduced thinking ability.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the PEL or greater, or significant skin contact), the following are recommended before beginning work and at regular times after that:

* Lung function tests.
* Liver and kidney function tests.
* Exam of the nervous system.
* Evaluate for brain effects such as changes in memory, concentration, sleeping patterns and mood (especially irritability and social withdrawal), as well as headaches and fatigue. Consider evaluations of the cerebellar, autonomic and peripheral nervous systems. Positive and borderline individuals should be referred for neuropsychological testing.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because more than light alcohol consumption can cause liver damage, drinking alcohol can increase the liver damage caused by **Methylene Chloride**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control are recommended:

* Where possible, automatically pump liquid **Methylene Chloride** from drums or other storage containers to process containers.
* Specific engineering controls are required for this chemical by OSHA. Refer to the OSHA Standard: 29 CFR 1910.1052.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Methylene Chloride** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.

* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Methylene Chloride**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Methylene Chloride**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Methylene Chloride**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Methylene Chloride** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Methylene Chloride**. Wear solvent-resistant gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.
* ACGIH recommends *Polyvinyl Alcohol* as a protective material.

Eye Protection

* Wear indirect-vent, impact and splash resistant goggles when working with liquids.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **25 ppm**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

Q: Should I be concerned if a chemical is a teratogen in animals?
A: Yes. Although some chemicals may affect humans differently than they affect animals, damage to animals suggests that similar damage can occur in humans.

Q: What are the likely health problems from chemicals which cause mutations?
A: There are two primary health concerns associated with mutagens: (1) cancers can result from changes induced in cells and, (2) adverse reproductive and developmental outcomes can result from damage to the egg and sperm cells.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **METHYLENE CHLORIDE**
DOT Number: **UN 1593**
NAERG Code: **160**
CAS Number: **75-09-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	-	1
REACTIVITY	-	0
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Methylene Chloride** itself does not burn.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Phosgene*.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Methylene Chloride** is spilled or leaked, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill or leak until clean-up is complete.
* Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Methylene Chloride** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Methylene Chloride** you should be trained on its proper handling and storage.
* **Methylene Chloride** is not compatible with ALKALI METALS; ALUMINUM; LITHIUM; NITRIC ACID; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and CHEMICALLY ACTIVE METALS (such as POTASSIUM, SODIUM, MAGNESIUM and ZINC).
* Store in tightly closed containers in a cool, dry, well-ventilated area away from MOISTURE, AIR and HEAT.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water. Continue without stopping for at least 30 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 350 mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Slightly soluble

OTHER COMMONLY USED NAMES

Chemical Name:

Methane, Dichloro-

Other Names:

Methylene Dichloride; Aerothene MM

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NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985

Material Safety Data Sheet

Version 3.4
Revision Date 05/29/2012
Print Date 06/07/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Vinyl chloride
Product Number	:	387622
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Flammable gas, Compressed Gas, Carcinogen, Toxic by ingestion

Target Organs

Liver, Blood, Brain., Central nervous system, Kidney, Eyes

GHS Classification
Flammable gases (Category 1)
Gases under pressure (Liquefied gas)
Carcinogenicity (Category 1A)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H350	May cause cancer.

Precautionary statement(s)

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P410 + P403	Protect from sunlight. Store in a well-ventilated place.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	4
Physical hazards:	3

NFPA Rating

Health hazard: 2
Fire: 4
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Chloroethylene

Formula : C_2H_3Cl
Molecular Weight : 62.50 g/mol

Component		Concentration
Vinyl chloride		
CAS-No.	75-01-4	-
EC-No.	200-831-0	
Index-No.	602-023-00-7	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable in the presence of an oxidizing gas (eg air), a source of ignition, and when the concentration of the gas is between the lower and upper explosive limits. Keep away from heat/sparks/open flame/hot surface/oxidizing gas. No smoking.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up
Clean up promptly by sweeping or vacuum.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid inhalation of vapour or mist.
Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

Contents under pressure. Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
Vinyl chloride	75-01-4	TWA	1 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Liver damage Lung cancer Confirmed human carcinogen			
		STEL	5 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		STEL	5 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	See 1910.1017			
	Potential Occupational Carcinogen See Appendix A			
Hydroquinone	123-31-9	TWA	1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Eye irritation Eye damage Confirmed animal carcinogen with unknown relevance to humans Sensitizer			
		TWA	2 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	2 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		C	2 mg/m3	USA. NIOSH Recommended Exposure Limits
	15 minute ceiling value			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquefied gas
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: -153.8 °C (-244.8 °F) - lit.
Boiling point	-13.4 °C (7.9 °F) - lit.
Flash point	-61.0 °C (-77.8 °F) - closed cup
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	3.6 %(V)
Upper explosion limit	33 %(V)
Vapour pressure	no data available
Density	0.911 g/cm3 at 25 °C (77 °F)
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to avoid
Chemically active metals, Copper

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

Contains the following stabiliser(s):
Hydroquinone (>=0 - <=0.0001 %)
Phenol (>=0 - <=0.01 %)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
no data available

Inhalation LC50
LC50 Inhalation - rat - 0.3 h - 180000 ppm
Remarks: Behavioral:Tremor. Behavioral:Convulsions or effect on seizure threshold. Respiratory disorder

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Human carcinogen.

IARC:	1 - Group 1: Carcinogenic to humans (Vinyl chloride)
	1 - Group 1: Carcinogenic to humans (Vinyl chloride)
NTP:	Known to be human carcinogen (Vinyl chloride)

Reproductive toxicity

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KU9625000

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 1086 Class: 2.1
Proper shipping name: Vinyl chloride, stabilized
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 1086 Class: 2.1 EMS-No: F-D, S-U
Proper shipping name: VINYL CHLORIDE, STABILIZED
Marine pollutant: No

IATA
UN number: 1086 Class: 2.1
Proper shipping name: Vinyl chloride, stabilized
IATA Passenger: Not permitted for transport

15. REGULATORY INFORMATION

OSHA Hazards
Flammable gas, Compressed Gas, Carcinogen, Toxic by ingestion

SARA 302 Components
The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Phenol	108-95-2	2007-07-01
Hydroquinone	123-31-9	2007-07-01

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Vinyl chloride	75-01-4	2007-07-01

SARA 311/312 Hazards
Fire Hazard, Sudden Release of Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Vinyl chloride	75-01-4	2007-07-01
Phenol	108-95-2	2007-07-01
Hydroquinone	123-31-9	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Vinyl chloride	75-01-4	2007-07-01
Phenol	108-95-2	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Vinyl chloride	75-01-4	2007-07-01

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Vinyl chloride	75-01-4	1990-06-15

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet

Version 3.1
Revision Date 01/19/2012
Print Date 06/07/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	cis-Dichloroethylene
Product Number	:	48597
Brand	:	Supelco
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Flammable liquid

Target Organs

Central nervous system, Liver, Kidney

GHS Classification
Flammable liquids (Category 2)
Acute toxicity, Inhalation (Category 4)
Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H402	Harmful to aquatic life.

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

HMIS Classification

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	3
Physical hazards:	1

NFPA Rating

Health hazard:	2
Fire:	3

Reactivity Hazard: 0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C2H2Cl2
Molecular Weight : 96.94 g/mol

Component		Concentration
cis-Dichloroethylene		
CAS-No.	156-59-2	-
EC-No.	205-859-7	
Index-No.	602-026-00-3	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: 2 - 8 °C

Handle and store under inert gas. Air and moisture sensitive. Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
cis-Dichloroethylene	156-59-2	TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Central Nervous System impairment Eye irritation			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	light yellow

Safety data

pH	no data available

Melting point/freezing point	-80.0 °C (-112.0 °F)
Boiling point	60.0 - 61.0 °C (140.0 - 141.8 °F)
Flash point	6.0 °C (42.8 °F) - closed cup
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	1.28 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to avoid
Oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
Inhalation LC50
LC50 Inhalation - rat - 13700 ppm
Remarks: Behavioral:Somnolence (general depressed activity). Liver:Fatty liver degeneration.

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
narcosis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KV9420000

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 1150 Class: 3 Packing group: II
Proper shipping name: 1,2-Dichloroethylene
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 1150 Class: 3 Packing group: II EMS-No: F-E, S-D
Proper shipping name: 1,2-DICHLOROETHYLENE
Marine pollutant: No

IATA
UN number: 1150 Class: 3 Packing group: II
Proper shipping name: 1,2-Dichloroethylene

15. REGULATORY INFORMATION

OSHA Hazards
Flammable liquid

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
cis-Dichloroethylene	156-59-2	1993-04-24

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
cis-Dichloroethylene	156-59-2	1993-04-24

New Jersey Right To Know Components

	CAS-No.	Revision Date
cis-Dichloroethylene	156-59-2	1993-04-24

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

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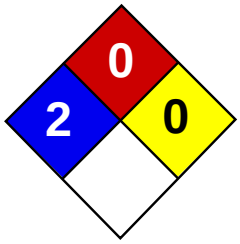
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.



Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:29 PM

Last Updated: 11/01/2010 12:00 PM

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Material Safety Data Sheet

1,4-Dioxane

MSDS# 26970

Section 1 - Chemical Product and Company Identification

MSDS Name:	1,4-Dioxane
Catalog Numbers:	AC117110000, AC117110010, AC117110025, AC117110050, AC117110250, AC167800000 AC167800000, AC167800010, AC167800025, AC167805000, AC268340000, AC268340010 AC268340010, AC268340025, AC270490000, AC270490010, AC270490025, AC270492500 AC270492500, AC326890000, AC326890010, AC326891000, AC326892500, AC364340000 AC364340000, AC364340010, AC364341000, AC408820000, AC408820010, AC61033019, AC61033019 AC61033019, AC61033050, AC61033050, AC61033115, AC61033115, AC61033200, AC61033200 AC61033200, 40882-5000, 61033-1000, 61512-0010, 61512-1000, BP2611-100, D111-4, D111-4LC, D111-500, D116-200, D116-4, D117-1, D117RS-19, D117RS-200, D117RS-50, D56S-4, NC9734646
Synonyms:	Diox; Diethylene dioxide; OptiDry.

Company Identification:	Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	201-796-7100
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#:	123-91-1
Chemical Name:	1,4-Dioxane
%:	97+
EINECS#:	204-661-8

Hazard Symbols: XN F

Risk Phrases: 11 19 36/37 40 66

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! May form explosive peroxides. Flammable liquid and vapor. Causes eye, skin, and respiratory tract irritation. Repeated exposure may cause skin dryness or cracking. Possible cancer hazard. May cause cancer based on animal data. Target Organs: Kidneys, central nervous system, liver, respiratory system, eyes, skin.

Potential Health Effects

Eye:	Causes eye irritation.
Skin:	May cause skin irritation. Causes skin irritation. May be harmful if absorbed through the skin. Repeated or prolonged exposure may cause drying and cracking of the skin.
Ingestion:	May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May be harmful if swallowed.
	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache,

Inhalation: dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause liver and kidney damage. May be harmful if inhaled.

Chronic: Possible cancer hazard based on tests with laboratory animals. May cause liver and kidney damage. Adverse reproductive effects have been reported in animals. Laboratory experiments have resulted in mutagenic effects. Chronic exposure may cause blood effects. Exposure to high concentrations may cause central nervous system depression. Animal studies have reported the development of tumors.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable liquid and vapor. May form explosive peroxides.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Autoignition Temperature: 180 deg C (356.00 deg F)

Flash Point: 12 deg C (53.60 deg F)

Explosion Limits: Lower: 2 vol %

Explosion Limits: Upper: 22 vol %

NFPA Rating: health: 2; flammability: 3; instability: 3;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. If peroxide formation is suspected, do not open or move container. Do not distill to dryness. Test for peroxide formation before distillation.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Flammables-area. Regularly check inhibitor levels to maintain peroxide levels below 1%. After opening, purge container with nitrogen before reclosing. Periodically test for peroxide formation on long-term storage. Addition of water or appropriate reducing materials will lessen peroxide formation. Store under nitrogen. Containers should be dated when opened and tested periodically for the presence of peroxides. Should crystals form in a peroxidizable liquid, peroxidation may have occurred and the product should be considered extremely dangerous. In this instance, the container should only be opened remotely by professionals. May form explosive peroxides on prolonged storage.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs

1,4-Dioxane	20 ppm; Skin - potential significant contribution to overall exposure by the cutaneous r oute	500 ppm IDLH	100 ppm TWA; 360 mg/m3 TWA

OSHA Vacated PELs: 1,4-Dioxane: 25 ppm TWA; 90 mg/m3 TWA

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear, colorless - APHA: 15 max

Odor: ethereal odor

pH: 6 - 8 (500 g/L aq.sol.)

Vapor Pressure: 41 mbar @ 20 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: 1.54 cPa @ 20 deg C

Boiling Point: 101 deg C @ 760 mmHg (213.80°F)

Freezing/Melting Point: 12 deg C (53.60°F)

Decomposition Temperature: Not available

Solubility in water: Soluble

Specific Gravity/Density: 1.030

Molecular Formula: C4H8O2

Molecular Weight: 88.11

Section 10 - Stability and Reactivity

Chemical Stability: May form explosive peroxides. Moisture sensitive.

Conditions to Avoid: Incompatible materials, light, ignition sources, excess heat, exposure to moist air or water, electrical sparks.

Incompatibilities with Other Materials: Strong oxidizing agents, reducing agents, halogens, silver perchlorate, oxygen.

Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 123-91-1: JG8225000

RTECS:
CAS# 123-91-1: Draize test, rabbit, eye: 100 mg Severe;
Draize test, rabbit, eye: 100 mg/24H Moderate;
Inhalation, mouse: LC50 = 37 gm/m3/2H;
Inhalation, rat: LC50 = 46 gm/m3/2H;

LD50/LC50:
Oral, mouse: LD50 = 5300 mg/kg;
Oral, rabbit: LD50 = 2 gm/kg;
Oral, rat: LD50 = 4200 mg/kg;
Skin, rabbit: LD50 = 7600 uL/kg;
.

Carcinogenicity: 1,4-Dioxane - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
California: carcinogen, initial date 1/1/88 NTP: Suspect carcinogen IARC: Group 2B carcinogen

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Bluegill/Sunfish: LC50 = >10,000mg/L; 96 Hr.; Static conditions, 23 degrees C
Water flea Daphnia: EC50 =163 mg/L; 48 Hr.; Static Condition, 20-21 degrees C

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: DIOXANE
Hazard Class: 3
UN Number: UN1165
Packing Group: II
Canada TDG
Shipping Name: DIOXANE
Hazard Class: 3
UN Number: UN1165
Packing Group: II

USA RQ: CAS# 123-91-1: 100 lb final RQ; 45.4 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN F

Risk Phrases:

R 11 Highly flammable.

R 19 May form explosive peroxides.

R 36/37 Irritating to eyes and respiratory system.

R 40 Limited evidence of a carcinogenic effect.

R 66 Repeated exposure may cause skin dryness or cracking.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

S 16 Keep away from sources of ignition - No smoking.

S 36/37 Wear suitable protective clothing and gloves.

S 46 If swallowed, seek medical advice immediately and show this container or label.

WGK (Water Danger/Protection)

CAS# 123-91-1: 2

Canada

CAS# 123-91-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, D2A, D2B, F

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 123-91-1 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

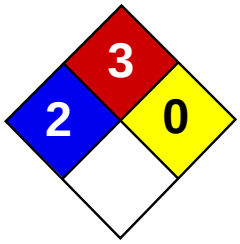
CAS# 123-91-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 6/16/1999

Revision #10 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.



Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
1,1-Dichloroethane MSDS

Section 1: Chemical Product and Company Identification

Product Name: 1,1-Dichloroethane

Catalog Codes: SLD3280

CAS#: 75-34-3

RTECS: KI0175000

TSCA: TSCA 8(b) inventory: 1,1-Dichloroethane

CI#: Not available.

Synonym:

Chemical Name: 1,1-Dichloroethane

Chemical Formula: C2-H4-Cl2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{1,1-}Dichloroethane	75-34-3	100

Toxicological Data on Ingredients: 1,1-Dichloroethane: ORAL (LD50): Acute: 725 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified 2 (Reasonably anticipated.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to kidneys, lungs, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 458°C (856.4°F)

Flash Points: CLOSED CUP: -17°C (1.4°F). OPEN CUP: -6°C (21.2°F).

Flammable Limits: LOWER: 5.6% UPPER: 11.4%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents, alkalis.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 250 (ppm) from ACGIH (TLV) [1999] TWA: 100 (ppm) from OSHA (PEL) Australia: TWA: 200 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Oily liquid.)

Odor: Chloroform like odor (Slight.)

Taste: Not available.

Molecular Weight: 98.96 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 57.3°C (135.1°F)

Melting Point: -96.9°C (-142.4°F)

Critical Temperature: 261.5°C (502.7°F)

Specific Gravity: 1.175 (Water = 1)

Vapor Pressure: 180 mm of Hg (@ 20°C)

Vapor Density: 3.44 (Air = 1)

Volatility: Not available.

Odor Threshold: 120 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in diethyl ether. See solubility in water, diethyl ether.

Solubility: Partially soluble in diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, alkalis.

Corrosivity: Corrosive in presence of aluminum.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Will attack some forms of plastic and rubber

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 725 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2 (Reasonably anticipated.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to kidneys, lungs, liver, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:
CLASS 3: Combustible liquid with a flash point greater than 37.8C (100F). Marine pollutant

Identification: : 1,1-Dichloroethane : UN2362 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65 (no significant risk level): 1,1-Dichloroethane California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: 1,1-Dichloroethane Rhode Island RTK hazardous substances: 1,1-Dichloroethane Pennsylvania RTK: 1,1-Dichloroethane Florida: 1,1-Dichloroethane Minnesota: 1,1-Dichloroethane Massachusetts RTK: 1,1-Dichloroethane New Jersey: 1,1-Dichloroethane New Jersey spill list: 1,1-Dichloroethane TSCA 8(b) inventory: 1,1-Dichloroethane TSCA 8(a) PAIR: 1,1-Dichloroethane TSCA 8(d) H and S data reporting: 1,1-Dichloroethane: June 1999 TSCA 12(b) one time export: 1,1-Dichloroethane SARA 313 toxic chemical notification and release reporting: 1,1-Dichloroethane: 1% CERCLA: Hazardous substances.: 1,1-Dichloroethane: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes. R52- Harmful to aquatic organisms.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:07 PM

Last Updated: 11/01/2010 12:00 PM

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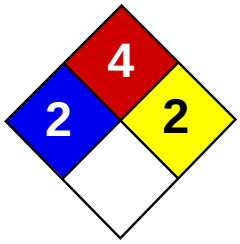

Material Safety Data Sheet
Vinylidene Chloride MSDS

Section 1: Chemical Product and Company Identification

Product Name: Vinylidene Chloride

Catalog Codes: SLV1063

CAS#: 75-35-4

RTECS: KV9275000

TSCA: TSCA 8(b) inventory: Vinylidene Chloride

CI#: Not available.

Synonym: 1,1-Dichloroethylene

Chemical Name: Vinylidene Chloride

Chemical Formula: C2-H2-Cl2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Vinylidene Chloride	75-35-4	100

Toxicological Data on Ingredients: Vinylidene Chloride: ORAL (LD50): Acute: 194 mg/kg [Mouse]. 200 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant). Slightly hazardous in case of eye contact (irritant), of inhalation (lung irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance may be toxic to kidneys, liver, bladder, gastrointestinal tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 520°C (968°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 8.4% UPPER: 16.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call

for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, moisture.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
STEL: 20 (ppm) from ACGIH (TLV) [United States] TWA: 1 from OSHA (PEL) [United States] TWA: 2 (ppm) [Austria] TWA: 5 (ppm) [Belgium] TWA: 5 (ppm) [Denmark] TWA: 2 (ppm) [Germany] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Chloroform-like (Slight.)

Taste: Not available.

Molecular Weight: 96.94 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 31°C (87.8°F)

Melting Point: -122.5°C (-188.5°F)

Critical Temperature: Not available.

Specific Gravity: 1.213 (Water = 1)

Vapor Pressure: 78.8 kPa (@ 20°C)

Vapor Density: 3.25 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Very slightly dispersed in cold water, hot water, diethyl ether, acetone.

Solubility: Very slightly soluble in cold water, hot water, diethyl ether, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, moisture.

Corrosivity: Corrosive in presence of steel.

Special Remarks on Reactivity:
Do not mix with Aluminum or Copper. May cause polymerization when exposed to Nitric Acid, Chlorosulfonic Acid, Oleum

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 194 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. May cause damage to the following organs: kidneys, liver, bladder, gastrointestinal tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant). Slightly hazardous in case of inhalation (lung irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Vinylidene chloride, Inhibited UNNA: 1303 PG: I

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Vinylidene Chloride Florida: Vinylidene Chloride Minnesota: Vinylidene Chloride Michigan critical material: Vinylidene Chloride Massachusetts RTK: Vinylidene Chloride New Jersey: Vinylidene Chloride TSCA 8(b) inventory: Vinylidene Chloride TSCA 8(a) PAIR: Vinylidene Chloride TSCA 8(d) H and S data reporting: Vinylidene Chloride: 8/4/95 CERCLA: Hazardous substances.: Vinylidene Chloride: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

DSCL (EEC):
R12- Extremely flammable. R20- Harmful by inhalation. R40- Possible risks of irreversible effects.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 4

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 4

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 12:15 AM

Last Updated: 11/01/2010 12:00 PM

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Material Safety Data Sheet

Version 4.1
Revision Date 01/17/2012
Print Date 06/07/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	*trans*-1,2-Dichloroethylene
Product Number	:	D62209
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Flammable liquid, Harmful by ingestion., Irritant

Target Organs

Central nervous system, Liver, Kidney

GHS Classification

Flammable liquids (Category 2)
Acute toxicity, Oral (Category 4)
Acute toxicity, Inhalation (Category 4)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H302 + H332	Harmful if swallowed or if inhaled
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H402	Harmful to aquatic life.

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health hazard: 2
Chronic Health Hazard: *
Flammability: 3
Physical hazards: 0

NFPA Rating

Health hazard: 2
Fire: 3
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin Harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : trans-1,2-Dichloroethene
trans-Acetylene dichloride

Formula : $C_2H_2Cl_2$
Molecular Weight : 96.94 g/mol

Component		Concentration
trans-Dichloroethylene		
CAS-No.	156-60-5	-
EC-No.	205-860-2	
Index-No.	602-026-00-3	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Light sensitive. Air and moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
trans-Dichloroethylene	156-60-5	TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Central Nervous System impairment Eye irritation			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid, clear
Colour	light yellow

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 50 °C (122 °F) - lit.
Boiling point	48 °C (118 °F) - lit.
Flash point	6.0 °C (42.8 °F) - closed cup
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	9.7 %(V)
Upper explosion limit	12.8 %(V)
Vapour pressure	no data available
Density	1.257 g/mL at 25 °C (77 °F)
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to avoid
Oxidizing agents, Bases

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 1,235 mg/kg

Inhalation LC50
LC50 Inhalation - rat - 24100 ppm
Remarks: Behavioral:Somnolence (general depressed activity).

Dermal LD50
LD50 Dermal - rabbit - > 5,000 mg/kg
Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

Other information on acute toxicity
no data available

Skin corrosion/irritation
Skin - rabbit - Skin irritation - 24 h

Serious eye damage/eye irritation
Eyes - rabbit - Eye irritation

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.

Signs and Symptoms of Exposure
prolonged or repeated exposure can cause:, narcosis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KV9400000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 220.00 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 1150 Class: 3 Packing group: II
Proper shipping name: 1,2-Dichloroethylene
Reportable Quantity (RQ): 1000 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 1150 Class: 3 Packing group: II EMS-No: F-E, S-D
Proper shipping name: 1,2-DICHLOROETHYLENE
Marine pollutant: No

IATA
UN number: 1150 Class: 3 Packing group: II
Proper shipping name: 1,2-Dichloroethylene

15. REGULATORY INFORMATION

OSHA Hazards
Flammable liquid, Harmful by ingestion., Irritant

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
trans-Dichloroethylene	156-60-5	1993-04-24

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
trans-Dichloroethylene	156-60-5	1993-04-24

New Jersey Right To Know Components

	CAS-No.	Revision Date
trans-Dichloroethylene	156-60-5	1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Fisher Scientific

Part of Thermo Fisher Scientific

Material Safety Data Sheet

Creation Date 11-Jan-2010 **Revision Date** 11-Jan-2010 **Revision Number** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **1,1,1-Trichloroethane, stabilized**

Cat No. **T391-4; T391-20; T398-4**

Synonyms Methylchloroform

Recommended Use Laboratory chemicals

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Emergency Telephone Number
CHEMTREC®, Inside the USA: 800-424-9300
CHEMTREC®, Outside the USA: 703-527-3887

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Possible cancer hazard. May cause cancer based on animal data. Harmful if swallowed. Irritating to eyes and skin. Inhalation may cause central nervous system effects. May cause irritation of respiratory tract. Aspiration hazard if swallowed - can enter lungs and cause damage.

Appearance Colorless **Physical State** Liquid **odor** sweet

Target Organs Liver, Kidney, Central nervous system (CNS), Cardiovascular system, Lungs, Eyes, Skin

Potential Health Effects

Acute Effects
Principle Routes of Exposure

Eyes Irritating to eyes.
Skin Irritating to skin. May be harmful in contact with skin.
Inhalation May cause irritation of respiratory tract. May be harmful if inhaled. Inhalation may cause central nervous system effects.
Ingestion Harmful if swallowed. Aspiration hazard. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects Possible cancer hazard based on tests with laboratory animals. Tumorigenic effects have been reported in experimental animals.. Experiments have shown reproductive toxicity effects on laboratory animals. May cause adverse liver effects. May cause adverse kidney effects.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Central nervous system disorders. Preexisting eye disorders. Kidney disorders. Liver disorders. Skin disorders.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	CAS-No	Weight %
1,1,1-Trichloroethane	71-55-6	>90
1,4-Dioxane	123-91-1	5-6

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Obtain medical attention.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point No information available.
Method No information available.

Autoignition Temperature 458°C / 856.4°F

Explosion Limits
Upper 15.5 vol %
Lower 8.0 vol %

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media No information available.

Hazardous Combustion Products No information available.

Sensitivity to mechanical impact No information available.
Sensitivity to static discharge No information available.

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA **Health** 2 **Flammability** 1 **Instability** 0 **Physical hazards** N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions Should not be released into the environment.

Methods for Containment and Clean Up Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling Use only under a chemical fume hood. Wear personal protective equipment. Do not breathe vapors or spray mist. Do not ingest. Avoid contact with skin, eyes and clothing.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,1,1-Trichloroethane	TWA: 350 ppm STEL: 450 ppm	(Vacated) TWA: 350 ppm (Vacated) TWA: 1900 mg/m^3 (Vacated) STEL: 450 ppm (Vacated) STEL: 2450 mg/m^3 TWA: 1900 mg/m^3 TWA: 350 ppm	IDLH: 700 ppm Ceiling: 350 ppm Ceiling: 1900 mg/m^3
1,4-Dioxane	TWA: 20 ppm Skin	(Vacated) TWA: 25 ppm (Vacated) TWA: 90 mg/m^3 Skin TWA: 100 ppm TWA: 360 mg/m^3	IDLH: 500 ppm Ceiling: 3.6 mg/m^3 Ceiling: 1 ppm

Component	Quebec	Mexico OEL (TWA)	Ontario TWAEV
1,1,1-Trichloroethane	TWA: 1910 mg/m^3 TWA: 350 ppm STEL: 2460 mg/m^3 STEL: 450 ppm	TWA: 1900 mg/m^3 TWA: 350 ppm STEL: 2460 mg/m^3 STEL: 450 ppm	TWA: 1910 mg/m^3 TWA: 350 ppm STEL: 2455 mg/m^3 STEL: 450 ppm

Component	Quebec	Mexico OEL (TWA)	Ontario TWAEV
1,4-Dioxane	TWA: 20 ppm TWA: 72 mg/m^3 Skin	TWA: 25 ppm TWA: 90 mg/m^3 STEL: 100 ppm STEL: 360 mg/m^3	TWA: 20 ppm Skin

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Colorless
odor	sweet
Odor Threshold	No information available.
pH	Not applicable
Vapor Pressure	100 mmHg @ 20°C
Vapor Density	4.55 (Air = 1.0)
Viscosity	0.86 mPa.s @ 20 °C
Boiling Point/Range	74 - 76°C / 165.2 - 168.8°F
Melting Point/Range	-33°C / -27.4°F
Decomposition temperature	95 °C
Flash Point	No information available.
Evaporation Rate	(Carbon Tetrachloride = 1.0)
Specific Gravity	1.33
Solubility	Insoluble in water
log Pow	No data available
Molecular Weight	133.4
Molecular Formula	C2 H3 Cl3

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO_2), Hydrogen chloride gas
Hazardous Polymerization	Hazardous polymerization does not occur
Hazardous Reactions .	None under normal processing..

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
1,1,1-Trichloroethane	2000 mg/kg (Rat)	15800 mg/kg (Rabbit) 2000 mg/kg (Rat)	18000 ppm (Rat) 4 h
1,4-Dioxane	4200 mg/kg (Rat)	7600 mg/kg (Rabbit)	48.5 mg/L (Rat) 4 h

Irritation Irritating to eyes and skin

Toxicologically Synergistic Products No information available.

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Mexico
1,1,1-Trichloroethane	Not listed	Group 3	Not listed	Not listed	Not listed
1,4-Dioxane	A3	Group 2B	Reasonably Anticipated	X	Not listed

ACGIH: (American Conference of Governmental Industrial Hygienists)
A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
ACGIH: (American Conference of Governmental Industrial Hygienists)
IARC: (International Agency for Research on Cancer)
IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
NTP: (National Toxicity Program)
NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects Experiments have shown reproductive toxicity effects on laboratory animals.

Developmental Effects Developmental effects have occurred in experimental animals.

Teratogenicity Teratogenic effects have occurred in experimental animals..

Other Adverse Effects Tumorigenic effects have been reported in experimental animals.. See actual entry in RTECS for complete information.

Endocrine Disruptor Information No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
1,1,1-Trichloroethane	EC50 >669 mg/L/96h	Not listed	EC50 = 105 mg/L 5 min	EC50 >530 mg/L 48h EC50: 2384 mg/L 48h
1,4-Dioxane	Not listed	Not listed	EC50 = 610 mg/L 5 min EC50 = 668 mg/L 15 min EC50 = 733 mg/L 30 min	EC50 = 163 mg/L 48h

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility .

Component	log Pow
1,1,1-Trichloroethane	2.46
1,4-Dioxane	-0.42

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
1,1,1-Trichloroethane - 71-55-6	U226	-
1,4-Dioxane - 123-91-1	U108	-

14. TRANSPORT INFORMATION

DOT

UN-No UN2831
Proper Shipping Name 1,1,1-Trichloroethane
Hazard Class 6.1
Packing Group III

TDG

UN-No UN2831
Proper Shipping Name 1,1,1-TRICHLOROETHANE
Hazard Class 6.1
Packing Group III

IATA

UN-No UN2831

14. TRANSPORT INFORMATION

Proper Shipping Name 1,1,1-Trichloroethane (Mixture)
Hazard Class 6.1
Packing Group III

IMDG/IMO

UN-No UN2831
Proper Shipping Name 1,1,1-Trichloroethane (Mixture)
Hazard Class 6.1
Packing Group III

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
1,1,1-Trichloroethane	X	X	-	200-756-3	-		X	X	X	X	KE-34068 X
1,4-Dioxane	X	X	-	204-661-8	-		X	X	X	X	KE-10463 X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
1,1,1-Trichloroethane	71-55-6	>90	1.0
1,4-Dioxane	123-91-1	5-6	0.1

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
1,1,1-Trichloroethane	-	-	X	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
1,1,1-Trichloroethane	X	X	-
1,4-Dioxane	X		-

OSHA
Not applicable

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
1,1,1-Trichloroethane	1000 lb	-
1,4-Dioxane	100 lb	-

California Proposition 65
This product contains the following Proposition 65 chemicals:

Component	CAS-No	California Prop. 65	Prop 65 NSRL
1,4-Dioxane	123-91-1	Carcinogen	30 µg/day

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1,1,1-Trichloroethane	X	X	X	X	X
1,4-Dioxane	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ):	Y
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D1B Toxic materials
D2A Very toxic materials
D2B Toxic materials

16. OTHER INFORMATION

Prepared By	Regulatory Affairs Thermo Fisher Scientific Tel: (412) 490-8929
Creation Date	11-Jan-2010
Print Date	11-Jan-2010
Revision Summary	"***", and red text indicates revision

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

Material Safety Data Sheet
Chloroethane

ACC# 89460

Section 1 - Chemical Product and Company Identification

MSDS Name: Chloroethane
Catalog Numbers: AC404600000, AC404601000, AC404605000
Synonyms: Ethyl chloride; monchloroethane.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
75-00-3	Ethyl chloride	ca.100	200-830-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless gas. Flash Point: -50 deg C.
Danger! Extremely flammable liquid and vapor. Vapor may cause flash fire. Possible risks of irreversible effects. May cause eye and skin irritation. May cause respiratory tract irritation. Cancer suspect agent. Dangerous for the environment.
Target Organs: Reproductive system.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: May cause irritation of the digestive tract.
Inhalation: May cause respiratory tract irritation. Vapors may cause dizziness or suffocation. Inhalation of vapors causes irritation of the mucous membranes.
Chronic: Possible risk of irreversible effects.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT

induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Extremely flammable liquid and vapor. Containers may explode in the heat of a fire. Will be easily ignited by heat, sparks or flame.
Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Use agent most appropriate to extinguish fire. Do NOT use straight streams of water.
Flash Point: -50 deg C (-58.00 deg F)
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 1; Flammability: 4; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Refrigerator/flammables.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethyl chloride	100 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous r oute	3800 ppm IDLH (10% LEL)	1000 ppm TWA; 2600 mg/m3 TWA

OSHA Vacated PELs: Ethyl chloride: 1000 ppm TWA; 2600 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Gas
Appearance: colorless
Odor: pungent odor
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: 2.22
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 12 - 14 deg C
Freezing/Melting Point: Not available.
Decomposition Temperature: Not available.
Solubility: Not available.
Specific Gravity/Density:.9200g/cm3
Molecular Formula:C2H5Cl
Molecular Weight:64.51

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Forms explosive mixtures with air (flash point -58°F/-50°C).

Conditions to Avoid: Incompatible materials, ignition sources, moisture, excess heat, strong oxidants.

Incompatibilities with Other Materials: Metals, strong oxidizing agents, plastics, rubber, potassium, sodium.

Hazardous Decomposition Products: Hydrogen chloride, carbon monoxide, carbon monoxide, carbon dioxide, phosgene gas.

Hazardous Polymerization: Has not been reported

Section 11 - Toxicological Information

RTECS#:
CAS# 75-00-3: KH7525000
LD50/LC50:
CAS# 75-00-3:
Inhalation, mouse: LC50 = 121300 mg/m3/2H;
Inhalation, rat: LC50 = 152 gm/m3/2H;
Inhalation, rat: LC50 = 150000 mg/m3/2H;
.

Carcinogenicity:
CAS# 75-00-3:

- **ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
- **California:** carcinogen, initial date 7/1/90
- **NTP:** Not listed.
- **IARC:** Not listed.

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: No information found
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. No information available.
Environmental: No information found.
Physical: No information found.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 75-00-3 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 75-00-3: Effective 6/1/87, Sunset 6/1/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 75-00-3: 100 lb final RQ; 45.4 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 75-00-3: immediate, delayed, fire, sudden release of pressure.
Section 313
Ethyl chloride is not at a high enough concentration to be reportable under Section 313. No chemicals are reportable under Section 313.
Clean Air Act:
CAS# 75-00-3 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 75-00-3 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 75-00-3 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Ethyl chloride, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: CAS# 75-00-3: 150 æg/day NSRL

European/International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F+
Risk Phrases:
R 12 Extremely flammable.
R 40 Limited evidence of a carcinogenic effect.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 33 Take precautionary measures against static discharges.
S 36/37 Wear suitable protective clothing and gloves.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 9 Keep container in a well-ventilated place.
S 28A After contact with skin, wash immediately with plenty of water .
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)
CAS# 75-00-3: 2
Canada - DSL/NDSL
CAS# 75-00-3 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B1, D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 75-00-3 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 4/05/1997
Revision #9 Date: 11/20/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Material Safety Data Sheet
1,2,4-Trimethylbenzene

MSDS# 73581

Section 1 - Chemical Product and Company Identification

MSDS Name:	1,2,4-Trimethylbenzene
Catalog Numbers:	AC140090000, AC140090010, AC140090025, AC140090100, AC140095000
Synonyms:	Pseudocumene.

Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	95-63-6
Chemical Name:	1,2,4-Trimethylbenzene
%:	98
EINECS#:	202-436-9

Hazard Symbols: XN N

Risk Phrases: 10 20 36/37/38 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. Harmful if inhaled. Causes eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Target Organs: Blood, central nervous system, respiratory system, eyes, skin.

Potential Health Effects

Eye:	Causes eye irritation. Causes redness and pain.
Skin:	Causes skin irritation. Causes redness and pain. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May be harmful if swallowed. May cause central nervous system depression.
Inhalation:	Harmful if inhaled. Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and central nervous system depression.
Chronic:	Prolonged or repeated skin contact may cause dermatitis. May cause anemia and other blood cell abnormalities. Prolonged exposure may produce a narcotic effect. Prolonged or repeated exposure may cause nausea,

dizziness, and headache.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Possible aspiration hazard. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Possible aspiration hazard. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: 500 deg C (932.00 deg F)

Flash Point: 48 deg C (118.40 deg F)

Explosion Limits: Lower: 0.9 vol %

Explosion Limits: Upper: 6.4 vol %

NFPA Rating: health: 2; flammability: 2; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Keep away from heat, sparks and flame.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
1,2,4-Trimethylbenzene	25 ppm TWA (listed under Trimethyl benzene).	25 ppm TWA; 125 mg/m3 TWA	none listed

OSHA Vacated PELs: 1,2,4-Trimethylbenzene: 25 ppm TWA; 125 mg/m3 TWA (listed under Trimethyl benzene)

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	colorless
Odor:	aromatic odor
pH:	Not available
Vapor Pressure:	7 mm Hg @ 44.4 deg C
Vapor Density:	4.15 (air=1)
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	168 deg C @ 760 mmHg (334.40°F)
Freezing/Melting Point:	-44 deg C (-47.20°F)
Decomposition Temperature:	Not available
Solubility in water:	Insoluble
Specific Gravity/Density:	0.880 g/cm3
Molecular Formula:	C9H12
Molecular Weight:	120.19

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 95-63-6: DC3325000
LD50/LC50:	RTECS: **CAS# 95-63-6:** Inhalation, rat: LC50 = 18000 mg/m3/4H; Oral, mouse: LD50 = 6900 mg/kg; Oral, rat: LD50 = 5 gm/kg; .
Carcinogenicity:	1,2,4-Trimethylbenzene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Fathead Minnow: LC50 = 77.2 mg/L; 96 Hr; Flow-through at 25 C (pH 7.24)
Other:	Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (1,2,4-Trimethylbenzene)
Hazard Class: 3
UN Number: UN1993
Packing Group: III
Canada TDG

Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN N

Risk Phrases:

R 10 Flammable.

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 95-63-6: 3

Canada

CAS# 95-63-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 95-63-6 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 95-63-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 5/19/1999

Revision #6 Date 7/20/2009

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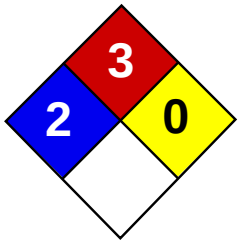

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Methyl tert-butyl ether MSDS

Section 1: Chemical Product and Company Identification

Product Name: Methyl tert-butyl ether

Catalog Codes: SLM2152

CAS#: 1634-04-4

RTECS: KN5250000

TSCA: TSCA 8(b) inventory: Methyl tert-butyl ether

CI#: Not available.

Synonym:

Chemical Name: Methyl tert-Butyl Ether

Chemical Formula: C5-H12-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Methyl {tert-}butyl ether	1634-04-4	100

Toxicological Data on Ingredients: Methyl tert-butyl ether: ORAL (LD50): Acute: 4000 mg/kg [Rat]. 5960 mg/kg [Mouse]. VAPOR (LC50): Acute: 23576 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 224°C (435.2°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 2.5% UPPER: 15.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Characteristic. (Strong.)

Taste: Not available.

Molecular Weight: 88.15 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 55.2°C (131.4°F)

Melting Point: -109°C (-164.2°F)

Critical Temperature: Not available.

Specific Gravity: 0.7405 (Water = 1)

Vapor Pressure: 245 mm of Hg (@ 20°C)

Vapor Density: 3.1 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:

Soluble in methanol, diethyl ether. Partially soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4000 mg/kg [Rat]. Acute toxicity of the vapor (LC50): 23576 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Methyl tert-butyl ether : UN2398 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Methyl tert-butyl ether Massachusetts RTK: Methyl tert-butyl ether TSCA 8(b) inventory: Methyl tert-butyl ether SARA 313 toxic chemical notification and release reporting: Methyl tert-butyl ether CERCLA: Hazardous substances.: Methyl tert-butyl ether

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:23 PM

Last Updated: 11/01/2010 12:00 PM

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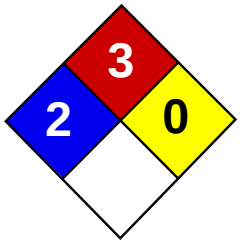

Material Safety Data Sheet
Benzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Benzene

Catalog Codes: SLB1564, SLB3055, SLB2881

CAS#: 71-43-2

RTECS: CY1400000

TSCA: TSCA 8(b) inventory: Benzene

CI#: Not available.

Synonym: Benzol; Benzine

Chemical Name: Benzene

Chemical Formula: C6-H6

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Benzene	71-43-2	100

Toxicological Data on Ingredients: Benzene: ORAL (LD50): Acute: 930 mg/kg [Rat]. 4700 mg/kg [Mouse]. DERMAL (LD50): Acute: >9400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10000 ppm 7 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance is toxic to blood, bone marrow, central nervous system (CNS). The substance may be toxic to liver, Urinary System. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 497.78°C (928°F)

Flash Points: CLOSED CUP: -11.1°C (12°F). (Setaflash)

Flammable Limits: LOWER: 1.2% UPPER: 7.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Extremely flammable liquid and vapor. Vapor may cause flash fire. Reacts on contact with iodine heptafluoride gas. Dioxygenyl tetrafluoroborate is as very powferful oxidant. The addition of a small particle to small samples of benzene, at ambient temperature, causes ignition. Contact with sodium peroxide with benzene causes ignition. Benzene ignites in contact with powdered chromic anhydride. Virgorous or incandescent reaction with hydrogen + Raney nickel (above 210 C) and bromine trifluoride.

Special Remarks on Explosion Hazards:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction

of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 STEL: 2.5 (ppm) from ACGIH (TLV) [United States] TWA: 1.6 STEL: 8 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.1 STEL: 1 from NIOSH TWA: 1 STEL: 5 (ppm) from OSHA (PEL) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppm) [United Kingdom (UK)] TWA: 1.6 (mg/m3) [United Kingdom (UK)] TWA: 1 (ppm) [Canada] TWA: 3.2 (mg/m3) [Canada] TWA: 0.5 (ppm) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Aromatic. Gasoline-like, rather pleasant. (Strong.)

Taste: Not available.

Molecular Weight: 78.11 g/mole

Color: Clear Colorless. Colorless to light yellow.

pH (1% soln/water): Not available.

Boiling Point: 80.1 (176.2°F)

Melting Point: 5.5°C (41.9°F)

Critical Temperature: 288.9°C (552°F)

Specific Gravity: 0.8787 @ 15 C (Water = 1)

Vapor Pressure: 10 kPa (@ 20°C)

Vapor Density: 2.8 (Air = 1)

Volatility: Not available.

Odor Threshold: 4.68 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Miscible in alcohol, chloroform, carbon disulfide oils, carbon tetrachloride, glacial acetic acid, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles.

Incompatibility with various substances: Highly reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 930 mg/kg [Rat]. Acute dermal toxicity (LD50): >9400 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 10000 7 hours [Rat].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. Causes damage to the following organs: blood, bone marrow, central nervous system (CNS). May cause damage to the following organs: liver, Urinary System.

Other Toxic Effects on Humans:
Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (female fertility, Embryotoxic and/or foetotoxic in animal) and birth defects. May affect genetic material (mutagenic). May cause cancer (tumorigenic, leukemia)) Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through intact skin and affect the liver, blood, metabolism,and urinary system. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. Can be absorbed through the lungs. May affect behavior/Central and Peripheral nervous systems (somnolence, muscle weakness, general anesthetic, and other symptoms similar to ingestion), gastrointestinal tract (nausea), blood metabolism, urinary system. Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation including vomiting. May affect behavior/Central and Peripheral nervous systems (convulsions, seizures, tremor, irritability, initial CNS stimulation followed by depression, loss of coordination, dizziness, headache, weakness, pallor, flushing), respiration (breathlessness and chest constriction), cardiovascular system, (shallow/rapid pulse), and blood.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Benzene UNNA: 1114 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene California prop. 65 (no significant risk level): Benzene: 0.007 mg/day (value) California prop. 65: This product contains the following ingredients

for which the State of California has found to cause cancer which would require a warning under the statute: Benzene Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Benzene Illinois toxic substances disclosure to employee act: Benzene Illinois chemical safety act: Benzene New York release reporting list: Benzene Rhode Island RTK hazardous substances: Benzene Pennsylvania RTK: Benzene Minnesota: Benzene Michigan critical material: Benzene Massachusetts RTK: Benzene Massachusetts spill list: Benzene New Jersey: Benzene New Jersey spill list: Benzene Louisiana spill reporting: Benzene California Director's list of Hazardous Substances: Benzene TSCA 8(b) inventory: Benzene SARA 313 toxic chemical notification and release reporting: Benzene CERCLA: Hazardous substances.: Benzene: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer. R62- Possible risk of impaired fertility. S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:35 PM

Last Updated: 11/01/2010 12:00 PM

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Material Safety Data Sheet
Ethylbenzene

MSDS# 00596

Section 1 - Chemical Product and Company Identification

MSDS Name:	Ethylbenzene
Catalog Numbers:	AC118080000, AC118080025, AC118080250, AC118080251, AC118085000, 11808-0010, O2751-1
Synonyms:	Ethylbenzol; Phenylethane.

Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	100-41-4
Chemical Name:	Ethylbenzene
%:	>99
EINECS#:	202-849-4

Hazard Symbols: XN F

Risk Phrases: 11 20

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. May cause central nervous system depression. Aspiration hazard if swallowed. Can enter lungs and cause damage. May be harmful if inhaled. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system.

Potential Health Effects

Eye:	Causes severe eye irritation. Causes redness and pain.
Skin:	Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin. Causes redness and pain.
Ingestion:	May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

Inhalation:	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.
Chronic:	Chronic inhalation may cause effects similar to those of acute inhalation.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Autoignition Temperature:	432 deg C (809.60 deg F)
Flash Point:	15 deg C (59.00 deg F)
Explosion Limits: Lower:	1.2%
Explosion Limits: Upper:	6.8%
NFPA Rating:	health: 2; flammability: 3; instability: 0;

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

Section 7 - Handling and Storage

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapor or mist.
Storage:	Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethylbenzene	100 ppm; 125 ppm STEL	100 ppm TWA; 435 mg/m3 TWA 800 ppm IDLH (10% LEL)	100 ppm TWA; 435 mg/m3 TWA

OSHA Vacated PELs: Ethylbenzene: 100 ppm TWA; 435 mg/m3 TWA

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	clear, colorless
Odor:	aromatic odor
pH:	Not available
Vapor Pressure:	9.6 mm Hg @ 25 deg C
Vapor Density:	3.7 (air=1)
Evaporation Rate:	<1 (butyl acetate=1)
Viscosity:	0.63 mPa s 20 C
Boiling Point:	136 deg C (276.80°F)
Freezing/Melting Point:	-95 deg C (-139.00°F)
Decomposition Temperature:	Not available
Solubility in water:	Insoluble
Specific Gravity/Density:	0.86
Molecular Formula:	C8H10
Molecular Weight:	106.17

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Ignition sources, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 100-41-4: DA0700000

RTECS:

CAS# 100-41-4: Draize test, rabbit, eye: 500 mg Severe;
Inhalation, mouse: LC50 = 35500 mg/m3/2H;
Inhalation, rat: LC50 = 55000 mg/m3/2H;

LD50/LC50: Oral, rat: LD50 = 3500 mg/kg;
Oral, rat: LD50 = 3500 mg/kg;
Skin, rabbit: LD50 = 17800 uL/kg;
.
Other: Inhalation rat LC50: 17.2 mg/l/4H from BASF.

Carcinogenicity: Ethylbenzene - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
California: carcinogen, initial date 6/11/04 IARC: Group 2B carcinogen

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Fish: Rainbow trout: LC50 = 14.0 mg/L; 96 Hr.; Static Bioassay
Fish: Fathead Minnow: LC50 = 12.1 mg/L; 96 Hr.; Flow-through Bioassay
Ecotoxicity: Fish: Bluegill/Sunfish: LC50 = 150.0 mg/L; 96 Hr.; Static Bioassay, pH 6.5-7.9, 21-23 degrees C
Water flea EC50 = 2.1 mg/L; 48 Hr.; Static Bioassay
Water flea EC50 = 75.0 mg/L; 48 Hr.; Static Bioassay

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: ETHYLBENZENE
Hazard Class: 3
UN Number: UN1175
Packing Group: II
Canada TDG
Shipping Name: ETHYLBENZENE
Hazard Class: 3
UN Number: UN1175
Packing Group: II

USA RQ: CAS# 100-41-4: 1000 lb final RQ; 454 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN F

Risk Phrases:

R 11 Highly flammable.

R 20 Harmful by inhalation.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 24/25 Avoid contact with skin and eyes.

S 29 Do not empty into drains.

WGK (Water Danger/Protection)

CAS# 100-41-4: 1

Canada

CAS# 100-41-4 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, D2B, D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 100-41-4 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 100-41-4 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 4/28/1999

Revision #7 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied,

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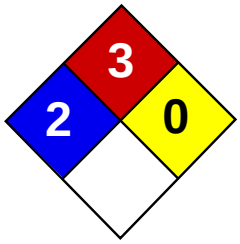

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Toluene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Toluene

Catalog Codes: SLT2857, SLT3277

CAS#: 108-88-3

RTECS: XS5250000

TSCA: TSCA 8(b) inventory: Toluene

CI#: Not available.

Synonym: Toluol, Tolu-Sol; Methylbenzene; Methacide; Phenylmethane; Methylbenzol

Chemical Name: Toluene

Chemical Formula: C6-H5-CH3 or C7-H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Toluene	108-88-3	100

Toxicological Data on Ingredients: Toluene: ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit]. VAPOR (LC50): Acute: 49000 mg/m 4 hours [Rat]. 440 ppm 24 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards:
Toluene forms explosive reaction with 1,3-dichloro-5,5-dimethyl-2,4-imidazolididione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N2O4; AgClO4; BrF3; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 500 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 100 STEL: 150 from NIOSH [United States] TWA: 375 STEL: 560 (mg/m3) from NIOSH [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweet, pungent, Benzene-like.

Taste: Not available.

Molecular Weight: 92.14 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 110.6°C (231.1°F)

Melting Point: -95°C (-139°F)

Critical Temperature: 318.6°C (605.5°F)

Specific Gravity: 0.8636 (Water = 1)

Vapor Pressure: 3.8 kPa (@ 25°C)

Vapor Density: 3.1 (Air = 1)

Volatility: Not available.

Odor Threshold: 1.6 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks, static), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 636 mg/kg [Rat]. Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 440 24 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Rabbit] - Route: Inhalation; Dose: 55000 ppm/40min

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in human. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. It can be absorbed to some extent through the skin. Eyes: Cauess mild to moderate eye irritation with a burning sensation. Splash contact with eyes also causes conjunctivitis, blepharospasm, corneal edema, corneal abraisons. This usually resolves in 2 days. Inhalation: Inhalation of vapor may cause respiratory tract irritation causing coughing and wheezing, and nasal discharge. Inhalation of high concentrations may affect behavior and cause central nervous system effects characterized by nausea, headache, dizziness, tremors, restlessness, lightheadedness, exhilaration, memory loss, insomnia, impaired reaction time, drowsiness, ataxia, hallucinations, somnolence, muscle contraction or spasticity, unconsciousness and coma. Inhalation of high concentration of vapor may also affect the cardiovascular system (rapid heart beat, heart palpitations, increased or decreased blood pressure, dysrhythmia,), respiration (acute pulmonary edema, respiratory depression, apnea, asphyxia), cause vision disturbances and dilated pupils, and cause loss of appetite. Ingestion: Aspiration hazard. Aspiration of Toluene into the lungs may cause chemical pneumonitis. May cause irritation of the digestive tract with nausea, vomiting, pain. May have effects similar to that of acute inhalation. Chronic Potential Health Effects: Inhalation and Ingestion: Prolonged or repeated exposure via inhalation may cause central nervous system and cardiovascular symptoms similar to that of acute inhalation and ingestion as well liver damage/failure, kidney damage/failure (with hematuria, proteinuria, oliguria, renal tubular acidosis), brain damage, weight loss, blood (pigmented or nucleated red blood cells, changes in white blood cell count), bone marrow changes, electrolyte imbalances (Hypokalemia, Hypophostatemia), severe, muscle weakness and Rhabdomyolysis. Skin: Repeated or prolonged skin contact may cause defatting dermatitis.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish (Goldfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Toluene UNNA: 1294 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene Connecticut hazardous material survey.: Toluene Illinois

toxic substances disclosure to employee act: Toluene Illinois chemical safety act: Toluene New York release reporting list: Toluene Rhode Island RTK hazardous substances: Toluene Pennsylvania RTK: Toluene Florida: Toluene Minnesota: Toluene Michigan critical material: Toluene Massachusetts RTK: Toluene Massachusetts spill list: Toluene New Jersey: Toluene New Jersey spill list: Toluene Louisiana spill reporting: Toluene California Director's List of Hazardous Substances.: Toluene TSCA 8(b) inventory: Toluene TSCA 8(d) H and S data reporting: Toluene: Effective date: 10/04/82; Sunset Date: 10/0/92 SARA 313 toxic chemical notification and release reporting: Toluene CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:30 PM

Last Updated: 11/01/2010 12:00 PM

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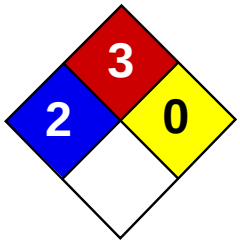

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Xylenes MSDS

Section 1: Chemical Product and Company Identification

Product Name: Xylenes

Catalog Codes: SLX1075, SLX1129, SLX1042, SLX1096

CAS#: 1330-20-7

RTECS: ZE2100000

TSCA: TSCA 8(b) inventory: Xylenes

CI#: Not available.

Synonym: Xylenes; Dimethylbenzene; xylol; methyltoluene

Chemical Name: Xylenes (o-, m-, p- isomers)

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Xylenes	1330-20-7	100

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse]. DERMAL (LD50): Acute: >1700 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 464°C (867.2°F)

Flash Points: CLOSED CUP: 24°C (75.2°F). (Tagliabue.) OPEN CUP: 37.8°C (100°F).

Flammable Limits: LOWER: 1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Vapors may travel to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Vapors may form explosive mixtures with air. Containers may explode when heated. May polymerize explosively when heated. An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 138.5°C (281.3°F)

Melting Point: -47.4°C (-53.3°F)

Critical Temperature: Not available.

Specific Gravity: 0.864 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 1 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Miscible with absolute alcohol, ether, and many other organic liquids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5000 4 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: May cause gastrointestinal irritation including abdominal pain, vomiting, and nausea. May also affect liver and urinary system/ kidneys. May cause effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may alsocause mucosal bleeding. Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylenes UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R10- Flammable. R21- Harmful in contact with skin. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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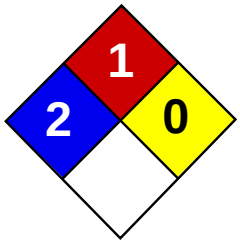

Material Safety Data Sheet
Trichloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Trichloroethylene

Catalog Codes: SLT3310, SLT2590

CAS#: 79-01-6

RTECS: KX4560000

TSCA: TSCA 8(b) inventory: Trichloroethylene

CI#: Not available.

Synonym:

Chemical Formula: C2HCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroethylene	79-01-6	100

Toxicological Data on Ingredients: Trichloroethylene: ORAL (LD50): Acute: 5650 mg/kg [Rat]. 2402 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 420°C (788°F)

Flash Points: Not available.

Flammable Limits: LOWER: 8% UPPER: 10.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/

spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 50 STEL: 200 (ppm) from ACGIH (TLV) TWA: 269 STEL: 1070 (mg/m3) from ACGIH Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 131.39 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 86.7°C (188.1°F)

Melting Point: -87.1°C (-124.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.4649 (Water = 1)

Vapor Pressure: 58 mm of Hg (@ 20°C)

Vapor Density: 4.53 (Air = 1)

Volatility: Not available.

Odor Threshold: 20 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity:
Extremely corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 2402 mg/kg [Mouse]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human. Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Trichloroethylene : UN1710 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Trichloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Trichloroethylene Pennsylvania RTK: Trichloroethylene Florida: Trichloroethylene Minnesota: Trichloroethylene Massachusetts RTK: Trichloroethylene New Jersey: Trichloroethylene TSCA 8(b) inventory: Trichloroethylene CERCLA: Hazardous substances.: Trichloroethylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **PHENANTHRENE**

CAS Number: 85-01-8
DOT Number: UN 1137

RTK Substance number: 3004
Date: August 1999

HAZARD SUMMARY

* **Phenanthrene** can affect you when breathed in and may be absorbed through the skin.
* Contact can irritate the skin and eyes. If skin contaminated with **Phenanthrene** is exposed to sunlight a rash or skin burn may occur, sometimes with blisters.
* Breathing **Phenanthrene** can irritate the nose and throat.
* **Phenanthrene** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
* *CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Phenanthrene is a colorless, crystalline substance with a weak aromatic odor. It is used in the manufacture of dyes, explosives and drugs, and in biological research.

REASON FOR CITATION

* **Phenanthrene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, HHAG, NFPA and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for *Coal Tar Pitch volatiles*:

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Phenanthrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Phenanthrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Phenanthrene**:

* Contact can irritate the skin and eyes. If skin contaminated with **Phenanthrene** is exposed to sunlight a rash or skin burn effect may occur, sometimes with blisters.
* Breathing **Phenanthrene** can irritate the nose and throat.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Phenanthrene** and can last for months or years:

Cancer Hazard

* There is no evidence that **Phenanthrene** causes cancer in animals. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Phenanthrene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Phenanthrene** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following is recommended:

* Evaluation by a qualified allergist, including careful exposure history and special testing, may help diagnose skin allergy.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Phenanthrene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Phenanthrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Phenanthrene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Phenanthrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Phenanthrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Phenanthrene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Phenanthrene**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **PHENANTHRENE**
DOT Number: **UN 1137**
NAERG Code: **128**
CAS Number: **85-01-8**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	-	1
REACTIVITY	-	0
POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Phenanthrene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Phenanthrene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Phenanthrene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Phenanthrene** you should be trained on its proper handling and storage.
* **Phenanthrene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 1 mm Hg at 245^{o}F (118.2^{o}C)
Flash Point: 340^{o}F (171^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Phenanthrene

Other Names:

Phenantrin; Coal Tar Pitch Volatiles

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

SAFETY DATA SHEET

Based on Directive 2001/58/EC et seq. of the Commission of the European Communities

BENZ[a]ANTHRACENE

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Synonyms: benzo(a)anthracene

CAS No.	: 56-55-3	**BCR number**	: BCR-271
EC index No.	: 601-033-00-9	**NFPA code**	: N.D.
EINECS No.	: 200-280-6	**Molecular weight**	: 228.30
RTECS No.	: CV9275000	**Formula**	: C18H12

1.2 Use of the substance or the preparation:
Certified reference material for laboratory use only

1.3 Company/undertaking identification:
Institute for Reference Materials and Measurements
Retieseweg
B-2440 Geel
Tel. : +32 14 57 12 11
Fax : +32 14 58 42 73

1.4 Telephone number for emergency:
+32 70 245 245
Antigifcentrum
p/a Militair Hospitaal Koningin Astrid, Bruynstraat, B-1120 Brussel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
Benzo[a]anthracene	56-55-3 200-280-6	100	T;N	45-50/53 (1)

(1) For R-phrases in full: see heading 16

3. Hazards identification

- May cause cancer
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First aid measures

4.1 Eye contact:
- Consult a doctor/medical service if irritation persists
- Rinse immediately with water

4.2 Skin contact:
- Consult a doctor/medical service if irritation persists
- Wash with water and soap
- Remove clothing before washing

4.3 After inhalation:
- Consult a doctor/medical service if breathing problems develop
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

4.4 After ingestion:
- Consult a doctor/medical service if you feel unwell
- Immediately give lots of water to drink
- Never give water to an unconscious person

5. Fire-fighting measures

5.1 Suitable extinguishing media:
- Water spray
- Alcohol foam
- Polymer foam
- ABC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- Solid water jet ineffective as extinguishing medium

5.3 Special exposure hazards:
- Not easily combustible
- Upon combustion CO and CO2 are formed

5.4 Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Dust cloud production: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal protection/precautions: see heading 8.1/8.3/10.3

6.2 Environmental precautions:
- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Dam up the solid spill

6.3 Methods for cleaning up:
- Stop dust cloud by covering with sand/earth
- Carefully collect the spill/leftovers
- Scoop solid spill into closing containers
- Take collected spill to manufacturer/competent authority
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:
- Observe strict hygiene
- Avoid prolonged and repeated contact with skin
- Avoid raising dust
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately

7.2 Storage:
- Keep container tightly closed. Store in a cool area. Store in a dry area.
- Store in a dark area.
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

Storage temperature : N.D. **°C**
Quantity limits : N.D. **kg**
Storage life : N.D.
Materials for packaging :
- suitable : no data available
- to avoid : no data available

7.3 Specific uses:
See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	**:**	**mg/m^3**	**-**	**ppm**
TLV-STEL	**:**	**mg/m^3**	**-**	**ppm**
TLV-Ceiling	**:**	**mg/m^3**		**ppm**
OES-LTEL	**:**	**mg/m^3**		**ppm**
OES-STEL	**:**	**mg/m^3**		**ppm**
MAK	**:**	**mg/m^3**		**ppm**
TRK	**:**	**mg/m^3**		**ppm**
MAC-TGG 8 h	**:**	**mg/m^3**		
MAC-TGG 15 min.	**:**	**mg/m^3**		
MAC-Ceiling	**:**	**mg/m^3**		
VME-8 h	**:**	**mg/m^3**		**ppm**
VLE-15 min.	**:**	**mg/m^3**		**ppm**
GWBB-8 h	**:**	**mg/m^3**		**ppm**
GWK-15 min.	**:**	**mg/m^3**		**ppm**
Momentary value	**:**	**mg/m^3**		**ppm**
EC	**:**	**mg/m^3**		**ppm**
EC-STEL	**:**	**mg/m^3**		**ppm**

Sampling methods:

- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons) NIOSH 5506
- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons) NIOSH 5515
- Benz(a)Anthracene OSHA CSI

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:
- Dust production: dust mask with filter type P3
- High dust production: compressed air/oxygen apparatus

8.3.2 hand protection:
- Gloves
  Suitable materials: No data available
- Breakthrough time: N.D.

8.3.3 eye protection:
- Safety glasses
- In case of dust production: protective goggles

8.3.4 skin protection:
- Protective clothing
- In case of dust production: head/neck protection
  Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	:	Crystalline solid / Scales
Odour	:	Odourless
Colour	:	Colourless to fluorescent yellow-green

9.2 Important health, safety and environmental information:

pH value	:	N.D.	
Boiling point/boiling range	:	N.A.	**°C**
Flashpoint	:	N.D.	**°C**
Explosion limits	:	N.D.	**vol%** (**°C**)
Vapour pressure (at 20°C)	:	0.00007	**hPa**
Vapour pressure (at 50°C)	:	N.D.	**hPa**
Relative density (at 20°C)	:	1.3	
Water solubility	:	0.00001	**g/100 ml**
Soluble in	:	Ether, acetone, oils/fats	
Relative vapour density	:	N.D.	
Viscosity	:	N.D.	**Pa.s**
Partition coëfficient n-octanol/water	:	5.61/5.79	
Evaporation rate			
ratio to butyl acetate	:	N.D.	
ratio to ether	:	N.D.	

9.3 Other information:

Melting point/melting range	:	160	**°C**
Auto-ignition point	:	N.D.	**°C**
Saturation concentration	:	N.D.	**g/m³**

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed
- Reacts violently with (strong) oxidizers
- Decomposes on exposure to (strong) acids

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	:	N.D.	**mg/kg**
LD50 dermal rat	:	N.D.	**mg/kg**
LD50 dermal rabbit	:	N.D.	**mg/kg**
LC50 inhalation rat	:	N.D.	**mg/l/4 h**
LC50 inhalation rat	:	N.D.	**ppm/4 h**

11.2 Chronic toxicity:

EC carc. cat.	:	2
EC muta. cat.	:	not listed
EC repr. cat.	:	not listed
Carcinogenicity (TLV)	:	A2
Carcinogenicity (MAC)	:	K
Carcinogenicity (VME)	:	not listed
Carcinogenicity (GWBB)	:	not listed
Carcinogenicity (MAK)	:	2
Mutagenicity (MAK)	:	not listed
Teratogenicity (MAK)	:	-
IARC classification	:	2A

11.3 Routes of exposure: ingestion, inhalation, eyes and skin
Caution! Substance is absorbed through the skin

11.4 Acute effects/symptoms:

AFTER SKIN CONTACT
- Slight irritation

11.5 Chronic effects:

- Probably human carcinogenic
- Mutagenicity: AMES test positive
- Probably human mutagenic

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
- No specific information available

SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS:
- Feeling of weakness
- Photoallergy
- Skin rash/inflammation
- Cracking of the skin
- Skin cancer
- Lung tissue affection/degeneration
- Enlargement/affection of the liver
- Affection of the renal tissue

12. Ecological information

12.1 Ecotoxicity:

- LC50 (65 h) : 0.0018 mg/l (PIMEPHALES PROMELAS)
- EC50 (96 h) : 0.01 mg/l (DAPHNIA PULEX)

12.2 Mobility:

- **Volatile organic compounds (VOC):** 0%

- Photolysis in water
- Ozonation in water
- Insoluble in water

For other physicochemical properties see heading 9.

12.3 Persistence and degradability:

- **biodegradation BOD_5** : N.D. **% ThOD**
- **water** : - Not readily biodegradable in water
- **soil** : **T ½:** > 100 **days**

12.4 Bioaccumulative potential:
- **log P_{ow}** : 5.61/5.79
- **BCF** : 72 h : 350 (LEUCISCUS IDUS)
- Highly bioaccumulative

12.5 Other adverse effects:

- **WGK** : 3 (Classification based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (Council Regulation (EC) 3093/94)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 16 05 06 (laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals)
- Waste material code (Flanders): 001, 045, 691
- Waste code (Germany): 59302
- Hazardous waste (91/689/EEC)

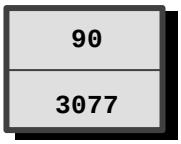
13.2 Disposal methods:

- Dissolve or mix with a combustible solvent
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber
- Do not discharge into surface water (2000/60/EEC, Council Decision 2455/2001/EC)

13.3 Packaging/Container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

14. Transport information



14.1 Classification of the substance in compliance with UN Recommendations

UN number	: 3077
CLASS	: 9
SUB RISKS	: -
PACKING	: III
PROPER SHIPPING NAME	: UN 3077, Environmentally hazardous substance, solid, n.o.s. (benzo[a]anthracene)

14.2 ADR (transport by road)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.3 RID (transport by rail)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.4 ADNR (transport by inland waterways)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.5 IMDG (maritime transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
MFAG	: -
EMS	: -
MARINE POLLUTANT	: P

14.6 ICAO (air transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

14.7 Special precautions in connection with transport : none

14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:
each package shall display a diamond-shaped figure with the following inscription:
- 'UN 3077'
or, in the case of different goods with different identification numbers within a single package:
- the letters 'LQ'

15. Regulatory information

Enumerated in substance list Annex I of directive 67/548/EEC et sequens

Toxic

Dangerous for the environment

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S53 : Avoid exposure - obtain special instructions before use
S45 : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
S60 : This material and/or its container must be disposed of as hazardous waste
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Full text of any R-phrases referred to under heading 2:

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Exposure limits:
TLV : Threshold Limit Value - ACGIH USA 2000
OES : Occupational Exposure Standards - United Kingdom 1999
MEL : Maximum Exposure Limits - United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 2001
TRK : Technische Richtkonzentrationen - Germany 2001
MAC : Maximale aanvaarde concentratie - The Netherlands 2002
VME : Valeurs limites de Moyenne d'Exposition - France 1999
VLE : Valeurs limites d'Exposition à court terme - France 1999
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 1998
GWK : Grenswaarde kortstondige blootstelling - Belgium 1998
EC : Indicative occupational exposure limit values - directive 2000/39/EC

Chronic toxicity:
K : List of the carcinogenic substances and processes - The Netherlands 2002

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(a)PYRENE**

CAS Number: 50-32-8
DOT Number: None

RTK Substance number: 0207
Date: August 1992 Revision: July 1998

HAZARD SUMMARY

* **Benzo(a)pyrene** can affect you when breathed in and by passing through your skin.
* **Benzo(a)pyrene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Exposure may damage the developing fetus.
* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Repeated exposure can cause skin changes such as thickening and darkening.
* Exposure can irritate and/or burn the eyes on contact.
* Except in laboratories, **Benzo(a)pyrene** is usually mixed with other "Coal Tar Pitch" chemicals. CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH and SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEETS ON COAL TAR SUBSTANCES.

IDENTIFICATION

Benzo(a)pyrene is a pale yellow, crystalline solid or a powder. In its pure form it is used as a laboratory reagent. **Benzo(a)pyrene** also forms as a gaseous by-product when certain carbon substances burn, such as coal tar pitch chemicals.

REASON FOR CITATION

* **Benzo(a)pyrene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, IARC, NIOSH, NTP, EPA, HHAG and DOT.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN** and a **MUTAGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.20.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) for *Coal Tar Pitch Volatiles* (*benzene*-soluble fraction) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit for *Coal Tar Pitch Volatiles* (*cyclohexane*-extractable fraction) is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: ACGIH recommends that worker exposures, by all routes, be controlled to levels as low as can be reasonably achieved.

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(a)pyrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(a)pyrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(a)pyrene**:

* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Exposure to sunlight and the chemical together can increase these effects.
* Exposure can irritate and/or burn the eyes on contact.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(a)pyrene** and can last for months or years:

Cancer Hazard

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There is some evidence that it causes skin, lung, and bladder cancer in humans and in animals.
* **Benzo(a)pyrene** has caused CANCER in the offspring of animals exposed to the substance during pregnancy.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Benzo(a)pyrene** may damage the developing fetus.
* There is some evidence that **Benzo(a)pyrene** may affect sperm and testes (male reproductive glands).
* **Benzo(a)pyrene** may be transferred to nursing infants through the exposed mother's milk.

Other Long-Term Effects

* Repeated exposure to **Benzo(a)pyrene** can cause skin changes such as thickening, darkening, and pimples. Later skin changes include loss of color, reddish areas, thinning of the skin, and warts.

MEDICAL

Medical Testing

If warts or other growths on the skin get larger or change color, they should be examined by a doctor for possible early skin cancer. Skin cancer is very often easily cured when detected early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.20.

Mixed Exposures

* Sunlight may cause a rash to develop in people exposed to **Benzo(a)pyrene** and increases the risk of skin cancer.
* Tobacco smoke also contains **Benzo(a)pyrene**. Smoking may increase the risk of lung cancer with exposure to **Benzo(a)pyrene**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(a)pyrene** from drums or other storage containers to process containers.
* Use a Class I, Type B, biological safety hood when working with **Benzo(a)pyrene** in a laboratory.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(a)pyrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(a)pyrene**.

* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(a)pyrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(a)pyrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where the above chemicals or **Benzo(a)pyrene** are handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating or smoking.
* In laboratories DO NOT DRY SWEEP for clean-up. Use a vacuum or a wet method to reduce dust during clean-up.
* When vacuuming, a high efficiency particulate absolute (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(a)pyrene**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear dust-proof goggles and face shield when working with powders or dust, unless full facepiece respiratory protection is worn.
* Where exposure to volatilized *Coal Tar* products may occur, wear gas-proof goggles and face shield, unless full facepiece respiratory protection is worn.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposures over **0.1 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** of *Coal Tar Pitch Volatiles* is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. Because of this, and because of exposure of children or people who are already ill, community exposures may cause health problems.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: But aren't pregnant women at the greatest risk from reproductive hazards?
A: Not necessarily. Pregnant women are at greatest risk from chemicals which harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Disease and Injury Services
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Disease and Injury Services, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<<

Common Name: **BENZO(a)PYRENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **50-32-8**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(a)pyrene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Carbon Monoxide*.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(a)pyrene** or other *Coal Tar* Products are spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate the area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(a)pyrene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Benzo(a)pyrene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* **Benzo(a)pyrene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE)
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: Greater than 1 mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Benzo(a)pyrene

Other Names:

B(a)P; BP; 3,4-Benzopyrene

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

SUPELCO INC -- 48574, DIBENZO (A,H) ANTHRACENE 0.1G -- 6810-00N032523

========== Product Identification ==========

Product ID:48574, DIBENZO (A,H) ANTHRACENE 0.1G
MSDS Date:12/19/1985
FSC:6810
NIIN:00N032523
MSDS Number: BNSSL
=== Responsible Party ===
Company Name:SUPELCO INC
Address:SUPELCO PARK
City:BELLEFONTE
State:PA
ZIP:16823-0048
Country:US
Info Phone Num:814-359-3441
Emergency Phone Num:814-359-3441
CAGE:54968
=== Contractor Identification ===
Company Name:SIGMA-ALDRICH INC.
Address:3050 SPRUCE STREET
Box:14508
City:ST. LOUIS
State:MO
ZIP:63103
Country:US
Phone:314-771-5765/414-273-3850X5996
CAGE:54968

========== Composition/Information on Ingredients ==========

Ingred Name:DIBENZ A,H ANTHRACENE
CAS:53-70-3
RTECS #:HN2625000
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:REPORTED ANIMAL CARCINOGEN.
Explanation of Carcinogenicity:DIBENZ(A,H) ANTHRACENE: GROUP 2A(IARC),
ANTICIPATED TO BE CARCINOGEN (NTP).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. CONTACT A
PHYSICIAN. SKIN: FLUSH WITH LARGE VOLUMES OF WATER. CONTACT A
PHYSICIAN. INHAL: IMMED MOVE TO FRESH AIR. INGEST: CONTACT A
PHYSICIAN.

========== Fire Fighting Measures ==========

Lower Limits:1%

Extinguishing Media:WATER, CO2, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

========== Accidental Release Measures ==========

Spill Release Procedures:SWEEP UP MATERIAL. AVOID GENERATING DUST.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:STORE IN SEALED CONTAINER IN COOL, DRY
LOCATION. AVOID GENERATING DUST.
Other Precautions:REPORTED CANCER HAZARD. AVOID EYE OR SKIN CONTACT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA.
Ventilation:USE ONLY IN WELL VENTILATED AREA.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

========== Physical/Chemical Properties ==========

HCC:T6
Boiling Pt:B.P. Text:509F,265C
Vapor Density:9.60
Spec Gravity:>1(H2O=1)
Appearance and Odor:OFF-WHITE TO YELLOW-GREEN CRYSTALLINE

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.

========== Disposal Considerations ==========

Waste Disposal Methods:COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR
LOCAL REGULATIONS.

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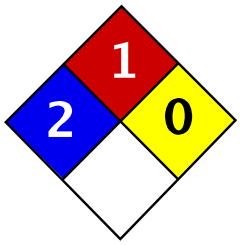

Health	2
Fire	1
Reactivity	0
Personal Protection	C

Material Safety Data Sheet
Pyrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Pyrene

Catalog Codes: SLP3868

CAS#: 129-00-00

RTECS: UR2450000

TSCA: TSCA 8(b) inventory: Pyrene

CI#: Not available.

Synonym: Benzo(D,E,F)phenanthrene

Chemical Name: Pyrene

Chemical Formula: C16-H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Pyrene	129-00-00	100

Toxicological Data on Ingredients: Pyrene: ORAL (LD50): Acute: 2700 mg/kg [Rat]. 800 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat, of combustible materials.
Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Slightly explosive in presence of heat.
Non-explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). Preferably refrigerate.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Synthetic apron. Gloves (impervious).

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid. Powdered solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 202.26 g/mole

Color: Yellow.

pH (1% soln/water): Not applicable.

Boiling Point: 404°C (759.2°F)

Melting Point: 151.2°C (304.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.271 @ 23 C (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 4.9

Ionicity (in Water): Not available.

Dispersion Properties:
Is not dispersed in cold water, hot water.
See solubility in diethyl ether.

Solubility:
Soluble in diethyl ether.
Insoluble in cold water, hot water.
Pyrene is fairly soluble in organic solvents.
It is soluble in alcohol, benzene, carbon disulfide, ether, petroleum ether, and toluene

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 800 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenic).
May cause cancer (tumorigenic) according to animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation. May be absorbed through skin.
Eyes: May cause eye irritation. Conjunctival irritation may be noted.
Inhalation: May cause respiratory tract irritaiton.

Ingestion: May cause gastrointestinal tract irritation. May affect behavior/Central Nervous System (excitation and muscel spasicity), liver and urinary system, and immune system, and blood.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 1.8 mg/l 48 hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut carcinogen reporting list.: Pyrene
Illinois chemical safety act: Pyrene
New York release reporting list: Pyrene
Pennsylvania RTK: Pyrene
Massachusetts RTK: Pyrene
Massachusetts spill list: Pyrene
New Jersey: Pyrene
New Jersey spill list: Pyrene
Louisiana RTK reporting list: Pyrene
Louisiana spill reporting: Pyrene
California Director's list of Hazardous Substances: Pyrene
TSCA 8(b) inventory: Pyrene
TSCA 8(a) CAIR: Pyrene
TSCA 8(d) H and S data reporting: Pyrene: June 1, 1987-June1, 1997
SARA 302/304/311/312 extremely hazardous substances: Pyrene
CERCLA: Hazardous substances.: Pyrene: 5000 lbs. (2268 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
S2- Keep out of the reach of children.
S36/37- Wear suitable protective clothing and gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: C

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves (impervious).
Synthetic apron.
Not applicable.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:14 PM

Last Updated: 11/06/2008 12:00 PM

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(b)FLUORANTHENE**

CAS Number: 205-99-2
DOT Number: None

RTK Substance number: 0208
Date: September 1995 Revision: July 2001

HAZARD SUMMARY

* **Benzo(b)fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(b)fluoranthene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.
* Because the major hazards associated with **Benzo(b)fluoranthene** come from exposure to *Coal Tar Pitch, CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Benzo(b)fluoranthene is a colorless, needle-shaped solid. It is used as a research chemical and is present in coal, and coke oven emissions, and petroleum products.

REASON FOR CITATION

* **Benzo(b)fluoranthene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Benzo(b)fluoranthene** (measured as *Coal Tar Pitch volatiles*):

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(b)fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(b)fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(b)fluoranthene**:

* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(b)fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. It has been shown to cause lung, liver and skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(b)fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(b)fluoranthene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Examine your skin periodically for growths or changes in warts or moles. Skin cancers are usually easily curable when removed early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(b)fluoranthene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Benzo(b)fluoranthene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(b)fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(b)fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(b)fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(b)fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(b)fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(b)fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **BENZO(b)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **205-99-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(b)fluoranthene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(b)fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(b)fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(b)fluoranthene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* **Benzo(b)fluoranthene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); OZONE; NITROGEN OXIDES; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 5×10^{-7} mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Benz(e)acephenanthrylene

Other Names:

2,3-Benzfluoranthene; 3,4-Benzfluoranthene; B(b)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985

Material Safety Data Sheet

Version 4.7
Revision Date 09/10/2012
Print Date 11/14/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Benzo[*k*]fluoranthene
Product Number	:	48492
Brand	:	Supelco
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen, Irritant

GHS Classification
Skin irritation (Category 2)
Eye irritation (Category 2A)
Carcinogenicity (Category 1B)
Acute aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H350	May cause cancer.
H400	Very toxic to aquatic life.

Precautionary statement(s)

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	0
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C20H12
Molecular Weight : 252.31 g/mol

Component		Concentration
Benzo[k]fluoranthene		
CAS-No.	207-08-9	-
EC-No.	205-916-6	
Index-No.	601-036-00-5	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	crystalline
Colour	yellow

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 215 - 217 °C (419 - 423 °F) - lit.
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available

Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
no data available

Inhalation LC50
Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

Carcinogenicity - rat - Implant
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.
Tumorigenic:Tumors at site or application.

Carcinogenicity - mouse - Skin
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors.
Tumorigenic:Tumors at site or application.

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen

IARC:	2B - Group 2B: Possibly carcinogenic to humans (Benzo[k]fluoranthene)
	2B - Group 2B: Possibly carcinogenic to humans (Benzo[k]fluoranthene)
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	Reasonably anticipated to be human carcinogens. (Benzo[k]fluoranthene)
	Reasonably anticipated to be a human carcinogen (Benzo[k]fluoranthene)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: DF6350000

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Benzo[k]fluoranthene)
Reportable Quantity (RQ): 5000 lbs
Marine pollutant:
Poison Inhalation Hazard: No

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzo[k]fluoranthene)
Marine pollutant: No

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Benzo[k]fluoranthene)

Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen, Irritant

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Benzo[k]fluoranthene	207-08-9	2007-03-01

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date

Benzo[k]fluoranthene	207-08-9	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Benzo[k]fluoranthene	207-08-9	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Benzo[k]fluoranthene	207-08-9	2007-03-01

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Benzo[k]fluoranthene	207-08-9	2007-09-28

16. OTHER INFORMATION

Further information

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **CHRYSENE**

CAS Number: 218-01-9
DOT Number: None

RTK Substance number: 0441
Date: April 1994 Revision: December 1999

HAZARD SUMMARY

* **Chrysene** can affect you when breathed in and by passing through your skin.
* If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect and permanent changes in skin pigment can occur.
* **Chrysene** is almost always found in *Coal Tar Pitch*, *Coal Tar Creosote*, or other coal tar products. If you work with coal, tar, soot, pitch, asphalt, etc., you may be exposed to **Chrysene**.
* *CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEETS ON COAL TAR PITCH AND COAL TAR CREOSOTE.*

IDENTIFICATION

Pure **Chrysene** is a colorless to off-white flake which is used in laboratories and dye manufacturing. **Chrysene** is most often found in black or brown tars and pitches.

REASON FOR CITATION

* **Chrysene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, HHAG and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for *Coal Tar Pitch Volatiles*:

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: An exposure limit has not been determined for this suspected carcinogen. Worker exposure by all routes should be carefully controlled to the lowest possible level.

* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Chrysene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Chrysene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chrysene**:

* If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect can occur, sometimes with blisters.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Chrysene** and can last for months or years:

Cancer Hazard

* There is limited evidence that **Chrysene** causes cancer in animals. It may cause skin cancer.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Chrysene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Permanent changes in skin pigment can occur if contaminated skin is exposed to sunlight.

MEDICAL

Medical Testing

* There is no special test for this chemical. However, monthly, carefully look at any skin areas that have been exposed. Any growth (like a mole) that increases in size or shows changes in color should be examined by a physician. Skin cancer is curable when detected early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Sunlight exposure on skin contaminated with *Coal Tar* chemicals can cause rash and later, pigment changes. Persons who smoke cigarettes may be at increased risk for lung cancer with his chemical. This can be significantly reduced by stopping smoking as well as by reducing exposures.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer pure **Chrysene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Chrysene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Chrysene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Chrysene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Chrysene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Chrysene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* For pure **Chrysene** use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Chrysene**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* For pure **Chrysene** wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3**, (as *Coal Tar Pitch Volatiles*) use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **CHRYSENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **218-01-9**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0	Not Rated
REACTIVITY	Not Found	Not Rated
POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Chrysene** is a noncombustible solid.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If pure **Chrysene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Chrysene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Chrysene** you should be trained on its proper handling and storage.
* **Chrysene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.

PHYSICAL DATA

Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

1,2,5,6-Dibenzonaphthalene

Other Names:

1,2-Benzophenanthrene; Benzo[a]phenanthrene

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

SAFETY DATA SHEET

Based on Directive 2001/58/EC et seq. of the Commission of the European Communities

FLUORANTHENE

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Synonyms: 1,2-benzacenaphthene, benzo(jk)fluorene

CAS No.	: 206-44-0	**BCR number**	: BCR-160R
EC index No.	: N.A.	**NFPA code**	: N.D.
EINECS No.	: 205-912-4	**Molecular weight**	: 202.26
RTECS No.	: LL4025000	**Formula**	: $C_{16}H_{10}$

1.2 Use of the substance or the preparation:
Certified reference material for laboratory use only

1.3 Company/undertaking identification:
Institute for Reference Materials and Measurements
Retieseweg
B-2440 Geel
Tel. : +32 14 57 12 11
Fax : +32 14 58 42 73

1.4 Telephone number for emergency:
+32 70 245 245
Antigifcentrum
p/a Militair Hospitaal Koningin Astrid, Bruynstraat, B-1120 Brussel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
fluoranthene	206-44-0 205-912-4	100	Xn;N	22-36-51/53-68 (1)

(1) For R-phrases in full: see heading 16

3. Hazards identification

- Harmful if swallowed
- Irritating to eyes
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Possible risk of irreversible effects

4. First aid measures

4.1 Eye contact:
- Consult a doctor/medical service
- Rinse immediately with plenty of water
- Do not apply neutralizing agents

4.2 Skin contact:
- Consult a doctor/medical service
- Wash immediately with lots of water
- -Do not apply (chemical) neutralizing agents

4.3 After inhalation:
- Consult a doctor/medical service
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

4.4 After ingestion:
- Consult a doctor/medical service

- Never give water to an unconscious person

5. Fire-fighting measures

5.1 Suitable extinguishing media:
- Water spray
- Alcohol foam
- Polymer foam
- ABC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- No data available

5.3 Special exposure hazards:
- Combustible
- It's dust is explosive with air
- Upon combustion CO and CO2 are formed

5.4 Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Dust cloud production: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal protection/precautions: see heading 8.1/8.3/10.3

6.2 Environmental precautions:
- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Dam up the solid spill
- Knock down/dilute dust cloud with water spray

6.3 Methods for cleaning up:
- Stop dust cloud by covering with sand/earth
- Carefully collect the spill/leftovers
- Scoop solid spill into closing containers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:
- Observe strict hygiene
- Avoid prolonged and repeated contact with skin
- Avoid raising dust
- Do not discharge the waste into the drain
- Clean contaminated clothing

7.2 Storage:
- Keep container tightly closed
- Store in a dry area
- Store in a dark area
- Meet the legal requirements.
- Keep away from: heat sources, oxidizing agents

Storage temperature : < 4 **°C**
Quantity limits : N.D. **kg**
Storage life : N.D.
Materials for packaging :
- suitable : glass
- to avoid : no data available

7.3 Specific uses: N.D.

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	:	not listed
TLV-STEL	:	not listed
TLV-Ceiling	:	not listed
OES-LTEL	:	not listed
OES-STEL	:	not listed
MEL-LTEL	:	not listed
MEL-STEL	:	not listed
MAK	:	not listed
TRK	:	not listed
MAC-TGG 8 h	:	not listed
MAC-TGG 15 min.	:	not listed
MAC-Ceiling	:	not listed
VME-8 h	:	not listed
VLE-15 min.	:	not listed
GWBB-8 h	:	not listed
GWK-15 min.	:	not listed
Momentary value	:	not listed

Sampling methods:

- Fluoranthene (Polynuclear aromatic hydrocarbon)	NIOSH 5506
- Fluoranthene	OSHA CSI
- Fluoranthene (Polynuclear aromatic hydrocarbon)	NIOSH 5515

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:
- Dust production: dust mask with filter type P3
- High dust production: compressed air/oxygen apparatus

8.3.2 hand protection:
- Gloves
  Suitable materials: Rubber

- Breakthrough time: N.D.

8.3.3 eye protection:
- Safety glasses
- In case of dust production: protective goggles

8.3.4 skin protection:
- Protective clothing
- In case of dust production: head/neck protection
  Suitable materials: Rubber

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	:	Crystalline solid / Needles
Odour	:	N.D.
Colour	:	Colourless to light-yellow

9.2 Important health, safety and environmental information:

pH value	:	N.D.	
Boiling point/boiling range	:	384	**°C**
Flashpoint	:	198	**°C**
Explosion limits	:	N.D.	**vol%** (**°C**)
Vapour pressure (at 20°C)	:	< 0.01	**hPa**
Vapour pressure (at 50°C)	:	N.D.	**hPa**
Relative density (at 20°C)	:	1.30	
Water solubility	:	0.00002	**g/100 ml**
Soluble in	:	Ethanol, ether, chloroform, acetic acid, carbondisulfide	
Relative vapour density	:	N.D.	
Viscosity	:	N.D.	**Pa.s**
Partition coëfficient n-octanol/water	:	5.33	
Evaporation rate			
ratio butyl acetate	:	N.D.	
ratio ether	:	N.D.	

9.3 Other information:

Melting point/melting range	:	110	**°C**
Auto-ignition point	:	N.D.	**°C**
Saturation concentration	:	N.D.	**g/m³**

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:
- No data available

10.2 Materials to avoid:
- Keep away from: heat sources, oxidizing agents

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	:	2000	**mg/kg**
LD50 dermal rat	:	N.D.	**mg/kg**
LD50 dermal rabbit	:	3180	**mg/kg**
LC50 inhalation rat	:	N.D.	**mg/l/4 h**
LC50 inhalation rat	:	N.D.	**ppm/4 h**

11.2 Chronic toxicity:

EC carc. cat.	:	not listed
EC muta. cat.	:	not listed
EC repr. cat.	:	not listed
Carcinogenicity (TLV)	:	not listed
Carcinogenicity (MAC)	:	not listed
Carcinogenicity (VME)	:	not listed
Carcinogenicity (GWBB)	:	not listed
Carcinogenicity (MAK)	:	not listed
Mutagenicity (MAK)	:	not listed
Teratogenicity (MAK)	:	not listed
IARC classification	:	3

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

- **AFTER EYE CONTACT**
- Irritation of the eye tissue

11.5 Chronic effects:

- Possible risks of irreversible effects
- Not classified as toxic to reproduction (EC)

- **SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS:**
- Tingling/irritation of the skin
- Nausea
- Accelerated heart action
- Disturbances of heart rate
- Enlargement/affection of the liver
- Risk of lung oedema

12. Ecological information

12.1 Ecotoxicity:

fluoranthene:
- LC50 (96 h) : 4 mg/l (LEPOMIS MACROCHIRUS)
- LC50 (48 h) : 320 mg/l (DAPHNIA MAGNA)
- EC50 (96 h) : 54 mg/l (SELENASTRUM CAPRICORNUTUM)

12.2 Mobility:

- **Volatile organic compounds (VOC):** 0%

- Forming sediments in water
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 9.

12.3 Persistence and degradability:

- biodegradation BOD_5 : N.D. **% ThOD**

- water : - N.D.

- soil : **T ½:** N.D. **days**

12.4 Bioaccumulative potential:
- **log P_{ow}** : 5.33
- **BCF** : h : 3981 (PIMEPHALES PROMELAS)
- Highly bioaccumulative

12.5 Other adverse effects:

- **WGK** : 3 (Classification based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (Council Regulation (EC) No 3093/94, O.J. L333 of 22/12/94)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

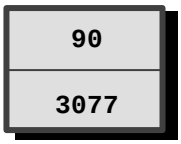
13. Disposal considerations

13.1 Provisions relating to waste:
- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 16 05 06 (laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory)
- Waste material code (Flanders): 001, 045, 691
- Waste code (Germany): 59302
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:
- Do not discharge into surface water (2000/60/EEC, Council Decision 2455/2001/EC, O.J. L331 of 15/12/2001)
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber

13.3 Packaging/Container:
- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

14. Transport information



14.1 Classification of the substance in compliance with UN Recommendations

UN number	: 3077
CLASS	: 9
SUB RISKS	: -
PACKING	: III
PROPER SHIPPING NAME	: UN 3077, Environmentally hazardous substance, solid, n.o.s. (fluoranthene)

14.2 ADR (transport by road)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.3 RID (transport by rail)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.4 ADNR (transport by inland waterways)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.5 IMDG (maritime transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
MFAG	: -
EMS	: -
MARINE POLLUTANT	: P

14.6 ICAO (air transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

14.7 Special precautions in connection with transport : none

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:
each package shall display a diamond-shaped figure with the following inscription:
- 'UN 3077'
or, in the case of different goods with different identification numbers within a single package:
- the letters 'LQ'

15. Regulatory information

Not listed in Annex I of directive 67/548/EEC et sequens. Labelling established on the basis of the available data.

Harmful

Dangerous for the environment

R22 : Harmful if swallowed
R36 : Irritating to eyes
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R68 : Possible risk of irreversible effects

S(02) : (Keep out of reach of children)
S22 : Do not breathe dust
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 : Wear suitable protective clothing and gloves
S46 : If swallowed, seek medical advice immediately and show this container or label
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Full text of any R-phrases referred to under heading 2:

R22 : Harmful if swallowed
R36 : Irritating to eyes
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R68 : Possible risk of irreversible effects

Exposure limits:
TLV : Threshold Limit Value - ACGIH USA 2000
OES : Occupational Exposure Standards - United Kingdom 1999
MEL : Maximum Exposure Limits - United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 2001
TRK : Technische Richtkonzentrationen - Germany 2001
MAC : Maximale aanvaarde concentratie - The Netherlands 2002
VME : Valeurs limites de Moyenne d'Exposition - France 1999
VLE : Valeurs limites d'Exposition à court terme - France 1999
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 1998
GWK : Grenswaarde kortstondige blootstelling - Belgium 1998
EC : Indicative occupational exposure limit values - directive 2000/39/EC

IPCS INCHEM Home

INDENO(1,2,3-cd)PYRENE

ICSC: 0730

Date of Peer Review: March 1999

o-Phenylenepyrene
2,3-Phenylenepyrene

CAS #	193-39-5	$C_{22}H_{12}$
RTECS #	NK9300000	Molecular mass: 276.3
UN #		
EC Index #		

TYPES OF HAZARD / EXPOSURE	ACUTE HAZARDS / SYMPTOMS	PREVENTION	FIRST AID / FIRE FIGHTING
FIRE			In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		**AVOID ALL CONTACT!**	
Inhalation		Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes		Safety spectacles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	**EU Classification** **UN Classification**
EMERGENCY RESPONSE	**STORAGE**
	Provision to contain effluent from fire extinguishing. Well closed.

IPCS
International Programme on

Prepared in the context of cooperation between the International Programme on Chemical Safety and the Commission of the European Communities © IPCS, CEC 2005

Chemical Safety

SEE IMPORTANT INFORMATION ON BACK

INDENO(1,2,3-cd)PYRENE	ICSC: 0730

IMPORTANT DATA

PHYSICAL STATE; APPEARANCE: YELLOW CRYSTALS **CHEMICAL DANGERS:** Upon heating, toxic fumes are formed. **OCCUPATIONAL EXPOSURE LIMITS:** TLV not established. MAK: Carcinogen category: 2; (DFG 2004).	**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by inhalation of its aerosol and through the skin. **INHALATION RISK:** Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly. **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:** This substance is possibly carcinogenic to humans.

PHYSICAL PROPERTIES

Boiling point: 536°C Melting point: 164°C Solubility in water: none	Octanol/water partition coefficient as log Pow: 6.58

ENVIRONMENTAL DATA

This substance may be hazardous to the environment; special attention should be given to air quality and water quality. Bioaccumulation of this chemical may occur in fish.

NOTES

Indeno(1,2,3-cd)pyrene is present as a component of polycyclic aromatic hydrocarbons (PAH) content in the environment usually resulting from the incomplete combustion or pyrolysis of organic matters, especially fossil fuels and tobacco. ACGIH recommends environment containing Indeno(1,2,3-c,d)pyrene should be evaluated in terms of the TLV-TWA for coal tar pitch volatile, as benzene soluble 0.2 mg/m³. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Card has been partly updated in October 2005. See section Occupational Exposure Limits.

ADDITIONAL INFORMATION

LEGAL NOTICE Neither the CEC nor the IPCS nor any person acting on behalf of the CEC or the IPCS is responsible for the use which might be made of this information

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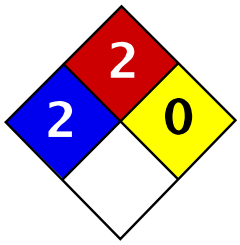
See Also:
Toxicological Abbreviations
Indeno(1,2,3-cd)Pyrene (IARC Summary & Evaluation, Volume 3, 1973)



Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm)
TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995]
TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995]
Australia: STEL: 15 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol.
Very slightly dispersed in cold water.
See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol.
Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 490 mg/kg [Rat].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene
Pennsylvania RTK: Naphthalene
Florida: Naphthalene
Minnesota: Naphthalene
Massachusetts RTK: Naphthalene
TSCA 8(b) inventory: Naphthalene
TSCA 8(a) PAIR: Naphthalene
TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87
SARA 313 toxic chemical notification and release reporting: Naphthalene: 1%
CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes.
R40- Possible risks of irreversible effects.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 01:30 PM

Last Updated: 10/11/2005 01:30 PM

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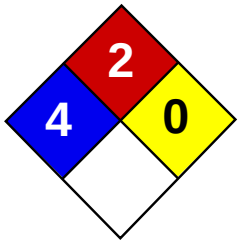

Health	3
Fire	2
Reactivity	0
Personal Protection	J

Material Safety Data Sheet
Phenol MSDS

Section 1: Chemical Product and Company Identification

Product Name: Phenol

Catalog Codes: SLP4453, SLP5251

CAS#: 108-95-2

RTECS: SJ3325000

TSCA: TSCA 8(b) inventory: Phenol

CI#: Not available.

Synonym: Monohydroxybenzene; Benzenol; Phenyl hyroxide; Phenylic acid

Chemical Name: Carbolic Acid

Chemical Formula: C6H5OH

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Phenol	108-95-2	100

Toxicological Data on Ingredients: Phenol: ORAL (LD50): Acute: 317 mg/kg [Rat]. 270 mg/kg [Mouse]. DERMAL (LD50): Acute: 630 mg/kg [Rabbit]. 669 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (sensitizer, permeator). The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated

exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 715°C (1319°F)

Flash Points: CLOSED CUP: 79°C (174.2°F). OPEN CUP: 85°C (185°F).

Flammable Limits: LOWER: 1.7% UPPER: 8.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Phenol + nitrides results in heat and flammable gas generation. Phenol + mineral oxdizing acids results in fire. Phenol + calcium hypochlorite is an exothermic reaction producing toxic fumes which may ignite.

Special Remarks on Explosion Hazards:
Phenol + sodium nitrite causes explosion on heating. Peroxydisulfuric acid + phenol causes explosion.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Air Sensitive. Sensitive to light. Store in light-resistant containers. Moisture sensitive. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 5 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 19 (mg/m3) from ACGIH (TLV) [United States] SKIN TWA: 5 from NIOSH [United States] TWA: 19 (mg/m3) from NIOSH [United States] TWA: 5 (ppm) from OSHA (PEL) [United States] TWA: 19 (mg/m3) from OSHA (PEL) [United States] TWA: 5 (ppm) [Canada] TWA: 19 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor:
Distinct, aromatic, somewhat sickening sweet and acrid

Taste: Burning.

Molecular Weight: 94.11 g/mole

Color: Colorless to light pink

pH (1% soln/water): Not available.

Boiling Point: 182°C (359.6°F)

Melting Point: 42°C (107.6°F)

Critical Temperature: 694.2 (1281.6°F)

Specific Gravity: 1.057 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 3.24 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.048 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 1.5

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether. Soluble in cold water, acetone. Solubility in water: 1g/15 ml water. Soluble in benzene. Very soluble in alcohol, chloroform, glycerol, petroleum, carbon disulfide, volatile and fixed oils, aqueous alkali hydroxides, carbon tetrachloride, acetic acid, liquid sulfur dioxide. Almost insoluble in petroleum ether. Miscible in acetone. Sparingly soluble in mineral oil.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks), light, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity:
Extremely corrosive in presence of copper. Slightly corrosive in presence of stainless steel(304), of stainless steel(316). Non-corrosive in presence of glass, of aluminum.

Special Remarks on Reactivity:
Air and light sensitive. Prone to redden on exposure to light and air. Incompatible with aluminum chloride, peroxydisulfuirc acid, acetaldehyde, sodium nitrite, boron trifluoride diethyl ether + 1,3-butadiene, isocyanates, nitrides, mineral oxidizing acids, calcium hypochlorite, halogens, formaldehyde, metals and alloys, lead, zinc, magnesium and their alloys, plastics, rubber, coatings, sodium nitrate + trifluoroacetic acid. Phenol + isocyanates results in heat generation, and violent polymerization. Phenol + 1,3-butadiene and boron trifluoride diethyl ether complex results in intense exothermic reaction. Phenol + acetaldehyde resultes in violent condensation.

Special Remarks on Corrosivity:
Minor corrosive effect on bronze. Severe corrosive effect on brass.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 270 mg/kg [Mouse]. Acute dermal toxicity (LD50): 630 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (corrosive, irritant), of ingestion, . Hazardous in case of skin contact (sensitizer, permeator), of eye contact (corrosive), of inhalation (lung corrosive).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 140 mg/kg LDL [Infant] - Route: Oral; Dose: 10,000 mg/kg

Special Remarks on Chronic Effects on Humans:
Animal: passes through the placental barrier. May cause adverse reproductive effects and birth defects (teratogenic) Embryotoxic and/or foetotoxic in animal. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 125 mg/l 24 hours [Fish (Goldfish)]. >50 mg/l 1 hours [Fish (Fathead minnow)]. >50 mg/l 24 hours [Fish (Fathead minnow)]. >33 mg/l 72 hours [Fish (Fathead minnow)]. >33 ppm 96 hours [Fish (Fathead minnow)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Phenol, solid UNNA: 1671 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Phenol Illinois toxic substances disclosure to employee act: Phenol Illinois chemical safety act: Phenol New York release reporting list: Phenol Rhode Island RTK hazardous substances: Phenol Pennsylvania RTK: Phenol Minnesota: Phenol Massachusetts RTK: Phenol Massachusetts spill list: Phenol New Jersey: Phenol New Jersey spill list: Phenol Louisiana RTK reporting list: Phenol Louisiana spill reporting: Phenol TSCA 8(b) inventory: Phenol TSCA 4(a) proposed test rules: Phenol TSCA 8(a) IUR: Phenol TSCA 8(d) H and S data reporting: Phenol: effective: 6/1/87; sunset:

6/01/97 SARA 302/304/311/312 extremely hazardous substances: Phenol SARA 313 toxic chemical notification and release reporting: Phenol CERCLA: Hazardous substances.: Phenol: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive solid.

DSCL (EEC):
R24/25- Toxic in contact with skin and if swallowed. R34- Causes burns. R40- Possible risks of irreversible effects. R43- May cause sensitization by skin contact. R52- Harmful to aquatic organisms. S1/2- Keep locked up and out of the reach of children. S24- Avoid contact with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water S37/39- Wear suitable gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label. S56- Dispose of this material and its container at hazardous or special waste collection point.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 2

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 4

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 11:17 AM

Last Updated: 11/01/2010 12:00 PM

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Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Bis(2−Ethylhexyl) Phthalate

Product Code 821874

Manufacturer EMD Chemicals Inc.
P.O. Box 70
480 Democrat Road
Gibbstown, NJ 08027
Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.

Effective Date 3/3/2003

For More Information Call
856−423−6300 Technical Service
Monday−Friday: 8:00 AM − 5:00 PM

In Case of Emergency Call
800−424−9300 CHEMTREC (USA)
613−996−6666 CANUTEC (Canada)
24 Hours/Day: 7 Days/Week

Synonym OCTYL PHTHALATE

Material Uses Analytical reagent.

Chemical Family Aromatic ester.

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
Dioctyl Phthalate, For Synthesis	117−81−7	100

Section 3. Hazards Identification

Physical State and Appearance Liquid.

Emergency Overview
WARNING!
SUSPECT CANCER HAZARD.
MAY CAUSE CANCER.
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
MAY BE HARMFUL IF INHALED OR SWALLOWED.
BIRTH DEFECT HAZARD
CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECT.
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: REPRODUCTIVE SYSTEM, LIVER, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA.
WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Hazardous in case of inhalation (lung irritant). May be hazardous in case of inhalation.

Ingestion May be hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects Classified + (Proven.) by NIOSH. Classified A3 (Proven for animal.) by ACGIH. Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP.
Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Auto−ignition Temperature 390.6°C (735.1°F)

Flash Points Closed cup: 217.9°C (424.2°F).

Flammable Limits LOWER: 0.3%

Products of Combustion These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances Not available.

Explosion Hazards in Presence of Various Substances **Risks of explosion of the product in presence of static discharge:** No.

Risks of explosion of the product in presence of mechanical impact: No.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Special Remarks on Fire Hazards Not available.

Special Remarks on Not available.

Explosion Hazards

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Spill Kit Information No specific spill kit required for this product.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed.

Storage Keep container in a cool, well−ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work−station location.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Feet Not applicable.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self−contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
Dioctyl Phthalate, For Synthesis	**INRS (France, 1996).** VME: 5 mg/m3 **AFS (Sweden, 1996).** KTV: 5 mg/m3 NGV: 3 mg/m3 **EH40−OES (United Kingdom (UK), 1997).** STEL: 10 mg/m3 TWA: 5 mg/m3 **NIOSH REL (United States, 1994).** STEL: 10 mg/m3 TWA: 5 mg/m3 Period: 10 hour(s). **BMWA_MAK (Austria, 2001).** STEL: 50 mg/m3 1 times per shift, Period: 30 minute(s).

TWA: 5 mg/m3
NOHSC (Australia, 1995). Notes: Documentation for the substances with this footnote can be found in the 5th Edition of the ACGIH documentation of the threshold limit values and biological exposure indices.1 For all other substances with 'H' in Column 7 the documentation can be found i n the 6th Edition of the ACGIH documentation of the threshold limit values and biological exposure indices.2
STEL: 10 mg/m3
TWA: 5 mg/m3
Lijst Grenswaarden (Belgium, 1998).
VCD: 10 mg/m3
VL: 5 mg/m3
SUVA (Switzerland, 2001). Notes: Not Temporary
MAK: 5 mg/m3 Form: Dust
MAK−Werte Liste (Germany, 2000).
Spitzenbegrenzung: 100 mg/m3 1 times per shift, Period: 30 minute(s).
MAK: 10 mg/m3
TRGS900 (Germany, 2000). Notes: Not Tentative
Spitzenbegrenzung: 40 mg/m3
MAK: 10 mg/m3
Arbejdstilsynet (Denmark, 2000).
GV: 3 mg/m3
Tyterveyslaitos (Finland, 2001).
STEL: 10 mg/m3
TWA: 5 mg/m3
NAOSH (Ireland, 1999).
STEL: 10 mg/m3
OEL: 5 mg/m3
JSOH (Japan, 1996).
TWA: 5 mg/m3
Ministry of Labor (KR, 1997).
STEL: 10 mg/m3
TWA: 5 mg/m3
Secretary of Work and Social Security (MX, 1994).
CCT: 10 mg/m3 Period: 15 minute(s).
CPT: 5 mg/m3 Period: 8 hour(s).
Nationale MAC−lijst (Netherlands, 2001). Notes: Legal
TGG 8 uur: 5 mg/m3 Form: Dust
Arbeidstilsynet (Norway, 2001).
AN: 3 mg/m3
NZ OSH (NZ, 1994).
STEL: 10 mg/m3
TWA: 5 mg/m3
ACGIH TLV (United States, 2000). Notes: 1999 Adoption.
TWA: 5 mg/m3
OSHA PEL 1989 (United States, 1989).
STEL: 10 mg/m3

TWA: 5 mg/m3

Section 9. Physical and Chemical Properties

Odor	Not available.
Color	Colorless to light yellow.
Physical State and Appearance	Liquid.
Molecular Weight	390.62 g/mole
Molecular Formula	C24−H38−O4
pH	Not applicable.
Boiling/Condensation Point	386.16°C (727.1°F)
Melting/Freezing Point	−46.06°C (−50.9°F)
Specific Gravity	0.9861 (Water = 1)
Vapor Pressure	Not available.
Vapor Density	16 (Air = 1)
Odor Threshold	Not available.
Evaporation Rate	
LogKow	Not available.
Solubility	Insoluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Reactive with oxidizing agents.
Rem/Incompatibility	Not available.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

RTECS Number:

Dioctyl Phthalate, For Synthesis TI0350000

Toxicity	Acute oral toxicity (LD50): 1500 mg/kg [Mouse].
Chronic Effects on Humans	**CARCINOGENIC EFFECTS**: Classified + (Proven.) by NIOSH. Classified A3 (Proven for animal.) by ACGIH. Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP. **DEVELOPMENTAL TOXICITY**: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN].
Acute Effects on Humans	Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). May be hazardous in case of inhalation. May be hazardous

	in case of ingestion.
Synergetic Products (Toxicologically)	Not available.
Irritancy	Draize Test (Rabbit): Skin: 500mg/24h. Reaction: Mild. Eye: 500 mg/24H Mild
Sensitization	Not available.
Carcinogenic Effects	Classified + (Proven.) by NIOSH. Classified A3 (Proven for animal.) by ACGIH. Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP.
Toxicity to Reproductive System	Tests on laboratory animals for reproductive effects are cited in Registry of Toxic Effects on Chemical Substances (RTECS).
Teratogenic Effects	Not available.
Mutagenic Effects	Tests on laboratory animals for mutagenic effects are cited in Registry of Toxic Effects of Chemical Substances (RTECS).

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Section 13. Disposal Considerations

EPA Waste Number	U107
Treatment	Specified Technology − Incineration to a level below TCA (Total Constituent Analyses) levels. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

Section 14. Transport Information

DOT Classification	Not available.
TDG Classification	Not available.
IMO/IMDG Classification	Not available.
ICAO/IATA Classification	Not available.

Section 15. Regulatory Information

U.S. Federal Regulations	TSCA 4(a) final test rules: Dioctyl Phthalate, For Synthesis TSCA 8(b) inventory: Dioctyl Phthalate, For Synthesis TSCA 8(d) H and S data reporting: Dioctyl Phthalate, For Synthesis: 1982 TSCA 12(b) one time export: Dioctyl Phthalate, For Synthesis SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Dioctyl Phthalate, For Synthesis
SARA 311/312 MSDS distribution − chemical inventory − hazard identification: Dioctyl Phthalate, For Synthesis: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
SARA 313 toxic chemical notification and release reporting: Dioctyl Phthalate, For Synthesis
Clean Water Act (CWA) 307: Dioctyl Phthalate, For Synthesis
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada)

Class D−2A: Material causing other toxic effects (VERY TOXIC).
Class D−2B: Material causing other toxic effects (TOXIC).
CEPA DSL: Dioctyl Phthalate, For Synthesis
This product has been classiifed in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

EINECS

Dioctyl Phthalate, For Synthesis 204−211−0

DSCL (EEC)

R37/38− Irritating to respiratory system and skin.
R41− Risk of serious damage to eyes.

International Lists

Australia (NICNAS): Dioctyl Phthalate, For Synthesis

China: Dioctyl Phthalate, For Synthesis

Germany water class: Dioctyl Phthalate, For Synthesis

Japan (MITI): Dioctyl Phthalate, For Synthesis

Korea (TCCL): Dioctyl Phthalate, For Synthesis

Philippines (RA6969): Dioctyl Phthalate, For Synthesis
China: Dioctyl Phthalate, For Synthesis

State Regulations

Pennsylvania RTK: Dioctyl Phthalate, For Synthesis: (special hazard, environmental hazard, generic environmental hazard)
Massachusetts RTK: Dioctyl Phthalate, For Synthesis
New Jersey: Dioctyl Phthalate, For Synthesis
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Dioctyl Phthalate, For Synthesis
California prop. 65 (no significant risk level): Dioctyl Phthalate, For Synthesis
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Dioctyl Phthalate, For Synthesis

Section 16. Other Information

National Fire Protection Association (U.S.A.)		**1**	**Fire Hazard**
	Health	**0**	**Reactivity**
		0	**Specific Hazard**

Changed Since Last Revision +

Notice to Reader

The statements contained herein are based upon technical data that EMD Chemicals Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. EMD CHEMICALS INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

Material Safety Data Sheet

Fluorene

MSDS# 92820

Section 1 - Chemical Product and Company Identification

MSDS Name:	Fluorene
Catalog Numbers:	AC156130000, AC156130250, AC156131000, AC156135000
Synonyms:	Diphenylenemethane.
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	86-73-7
Chemical Name:	Fluorene
%:	98
EINECS#:	201-695-5

Hazard Symbols: N

Risk Phrases: 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Target Organs: None known.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:	No information found.

Section 4 - First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: Do not induce vomiting. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: Not available.

Flash Point: 151 deg C (303.80 deg F)

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 1; flammability: 1; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not let this chemical enter the environment. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Fluorene	none listed	none listed	none listed

OSHA Vacated PELs: Fluorene: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: almost white - light brown

Odor: None reported.
pH: Not available
Vapor Pressure: 13 hPa @ 146 deg C
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: 298 deg C @ 760 mmHg (568.40°F)
Freezing/Melting Point: 112 - 116 deg C
Decomposition Temperature: Not available
Solubility in water: Insoluble
Specific Gravity/Density: 1.2
Molecular Formula: C13H10
Molecular Weight: 166.22

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, dust generation, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 86-73-7: LL5670000
LD50/LC50:	RTECS: Not available.
Carcinogenicity:	Fluorene - IARC: Group 3 (not classifiable)
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Not available

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

USA RQ: CAS# 86-73-7: 5000 lb final RQ; 2270 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: N

Risk Phrases:

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 86-73-7: Not available

Canada

CAS# 86-73-7 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 86-73-7 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 86-73-7 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 2/25/1999

Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

Material Safety Data Sheet

Version 4.2
Revision Date 01/17/2012
Print Date 06/07/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Acenaphthene
Product Number	:	215376
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Irritant

GHS Classification
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)
Acute aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram

Signal word: Warning

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health hazard:	2
Flammability:	1
Physical hazards:	0

NFPA Rating

Health hazard:	2

Fire: 1
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 1,8-Ethylenenaphthalene

Formula : $C_{12}H_{10}$
Molecular Weight : 154.21 g/mol

Component	Concentration
Acenaphthene	
CAS-No. 83-32-9 EC-No. 201-469-6	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 90 - 94 °C (194 - 201 °F) - lit.
Boiling point	279 °C (534 °F) - lit.
Flash point	125.0 °C (257.0 °F) - closed cup
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	13.3 hPa (10.0 mmHg) at 131.0 °C (267.8 °F)
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 3.39 - 4.19

Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
no data available

Inhalation LC50
no data available

Dermal LD50
no data available

Other information on acute toxicity
LD50 Intraperitoneal - rat - 600 mg/kg

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity

IARC:	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Acenaphthene)
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: AB1000000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.67 mg/l - 96.0 h
	LC50 - Pimephales promelas (fathead minnow) - 0.6 - 1.73 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 1.27 - 3.45 mg/l - 48 h
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata (green algae) - 0.52 - 0.53 mg/l - 96 h

Persistence and degradability

Bioaccumulative potential

Bioaccumulation	Lepomis macrochirus (Bluegill) - 28 d Bioconcentration factor (BCF): 387

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Acenaphthene)
Reportable Quantity (RQ): 100 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Acenaphthene)
Marine pollutant: No

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Acenaphthene)

Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

OSHA Hazards
Irritant

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Acenaphthene	83-32-9	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Acenaphthene	83-32-9	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Acenaphthene	83-32-9	2007-03-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet
Dibenzofuran

ACC# 95339

Section 1 - Chemical Product and Company Identification

MSDS Name: Dibenzofuran
Catalog Numbers: AC159300000, AC159300050, AC159300250, AC159300500, AC159301000, AC159302500 AC159302500, AC217030000, AC217030050, AC217030500
Synonyms: Diphenylene oxide; 2,2'-Biphenylene oxide; Dibenzo(b,d)furan; a polynuclear aromatic compound; oxygen heterocyclic PAH.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
132-64-9	Dibenzofuran	> 98	205-071-3

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white to pale yellow crystalline powder.
Warning! Causes eye irritation. May cause skin and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.
Target Organs: Eyes.

Potential Health Effects

Eye: Causes eye irritation.
Skin: May cause skin irritation.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.
Inhalation: May cause respiratory tract irritation.
Chronic: Some polycyclic aromatic hydrocarbons are suspect carcinogens, as well as air and water contaminants.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing

and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: 130 deg C (266.00 deg F)
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid breathing dust.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust may be necessary to control concentrations to acceptable levels.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Dibenzofuran	none listed	none listed	none listed

OSHA Vacated PELs: Dibenzofuran: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear a chemical apron.
Respirators: A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder
Appearance: white to pale yellow
Odor: Not available.
pH: Not available.
Vapor Pressure: 0.0175 mm Hg @ 25 deg C
Vapor Density: 5.8 (air=1)
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 285 deg C @ 760 mm Hg
Freezing/Melting Point:81 - 85 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density: Not available.
Molecular Formula:C12H8O
Molecular Weight:168.19

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Dust generation, excess heat.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 132-64-9: HP4430000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 132-64-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Mortality studies have demonstrated that exposure to coke oven emissions, which contain a variety of PAHs (Polycyclic aromatic hydrocarbons), caused increased incidences of lung and genitourinary cancer mortality in coke oven workers.

Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: See actual entry in RTECS for complete information.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. Fish toxicity : time to produce sickness at 5 ppm : brown trout 4 hr.; bluegill sunfish 6 hr; goldfish 6 hr. All species died within 8 hr. Time to produce sickness at 1 ppm : brown trout 22 hr. Water characteristics for tests were pH7, dissolved oxygen conc. 7.5 ppm, total hardness 300ppm (soap method), methyl orange alkalinity 310ppm, free carbon dioxide 5 ppm, temperature 35øC (USEPA August 1987. Part I : The toxicity of 3400 chemicals to fish EPA 560/6-87-002)
Environmental: Considered to be persistent, bioaccumulative, and toxic. Even when released in very small amounts, can accumulate and cause environmental problems.
Physical: No information available.
Other: Dibenzofuran has been listed as a pollutant of concern to EPA's Great Waters Program due to its persistence in the environment, potential to bioaccumulate, and toxicity to humans and the environment. It is a Persistent Organic Pollutant (POPs).

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SO
Hazard Class:	9	9
UN Number:	UN3077	UN3077
Packing Group:	III	III

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 132-64-9 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 132-64-9: 100 lb final RQ; 45.4 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

This material contains Dibenzofuran (CAS# 132-64-9, > 98%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

CAS# 132-64-9 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 132-64-9 can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

N

Risk Phrases:

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.
S 29 Do not empty into drains.
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 132-64-9: No information available.

Canada - DSL/NDSL

CAS# 132-64-9 is listed on Canada's DSL List.

Canada - WHMIS

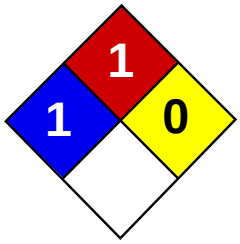
This product has a WHMIS classification of D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #5 Date: 11/20/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.



Health	1
Fire	0
Reactivity	0
Personal Protection	B

Material Safety Data Sheet
Aluminum MSDS

Section 1: Chemical Product and Company Identification

Product Name: Aluminum

Catalog Codes: SLA4735, SLA2389, SLA3895, SLA1549, SLA3055, SLA4558, SLA2212, SLA3715

CAS#: 7429-90-5

RTECS: BD0330000

TSCA: TSCA 8(b) inventory: Aluminum

CI#: Not applicable.

Synonym: Aluminum metal pellets; Aluminum metal sheet; Aluminum metal shot; Aluminum metal wire

Chemical Name: Aluminum

Chemical Formula: Al

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Aluminum	7429-90-5	100

Toxicological Data on Ingredients: Aluminum LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Slightly hazardous in case of skin contact (irritant). Non-irritating to the eyes. Non-hazardous in case of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Do not ingest. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Moisture sensitive.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Gloves.

Personal Protection in Case of a Large Spill: Safety glasses. Lab coat. Gloves.

Exposure Limits:
TWA: 5 (mg(Al)/m) from ACGIH (TLV) [United States] Inhalation (pyro powders, welding fumes) TWA: 10 (mg(Al)/m) from ACGIH (TLV) [United States] Inhalation (metal dust) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Odorless.

Taste: Not available.

Molecular Weight: 26.98 g/mole

Color: Silver-white

pH (1% soln/water): Not applicable.

Boiling Point: 2327°C (4220.6°F)

Melting Point: 660°C (1220°F)

Critical Temperature: Not available.

Specific Gravity: Density: 2.7 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Soluble in alkalies, Sulfuric acid, Hydrochloric acid. Insoluble in concentrated Nitric Acid, hot Acetic acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, exposure to moist air or water.

Incompatibility with various substances: Reactive with oxidizing agents, acids, alkalis.

Corrosivity: Not available.

Special Remarks on Reactivity:
Moisture sensitive. Aluminum reacts vigorously with Sodium Hydroxide. Aluminum is also incompatible with strong oxdizers, acids, chromic anhydride, iodine, carbon disulfide, methyl chloride, and halogenated hydrocarbons, acid chlorides, ammonium nitrate, ammonium persulfate, antimony, arsenic oxides, barium bromate, barium chlorate, barium iodate, metal salts

Special Remarks on Corrosivity:
In moist air, oxide film forms which protects metal from corrosion. Aluminum is strongly electropositive so that it corrodes rapidly in contact with other metals.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Not available.

Toxicity to Animals: Not available

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Slightly hazardous in case of skin contact (irritant). Non-hazardous in case of ingestion. Non-hazardous in case of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Exposure to aluminum may cause skin irritation. Eyes: Not expected to be a hazard unless aluminum dust particles are present. Exposure to aluminum dust may cause eye irritation by mechanical action. Aluminum particles deposited in the eye are generally innocous. Inhalation: Not expected to be an inhalation hazard unless it is heatedor if aluminum dust is present It heated or in dust form, it may cause respiratory tract irritation. Heating Aluminum can release Aluminum Oxide fumes and cause fume metal fever when inhaled. This is a flu-like illness with symptoms of metallic taste, fever, chills, aches, chest tightness, and cough. Ingestion: Acute aluminum toxicity is unlikely. Chronic Potential Health Effects: Skin: Contact dermatitis occurs rarely after aluminum exposure. Most cases of aluminum toxicity in humans are in one of two categories: patients with chronic renal failure, or people exposed to aluminum fumes or dust in the workplace. The main source of aluminum in people with chronic renal failure was in the high aluminum content of the water for the dialysate used for dialysis in the 1970's. Even though this problem was recognized and corrected, aluminum toxicity continues to occur in some individuals with renal who chronically ingest aluminum-containing phosphate binders or antacids. Inhalation: Chronic exposure to aluminum dust may cause dyspnea, cough, asthma, chronic obstructive lung disease, pulmonary fibrosis, pneumothorax, pneumoconiosis, encephalopathy, weakness, incoordination and epileptiform seizures and other neurological symptoms similar to that described for chronic ingestion. Hepatic necrosis is also a reported effect of exposure to airborne particulates carrying aluminum. Ingestion: Chronic ingestion of aluminum may cause Aluminum Related Bone Disease or aluminum-induced Osteomalacia with fracturing Osteodystrophy, microcytic anemia, weakness, fatigue, visual and auditory hallucinations, memory loss, speech and language impairment (dysarthria, stuttering, stammering, anomia, hypofluency, aphasia and eventually, mutism), epileptic seizures(focal or grand mal), motor disturbance(tremors, myoclonic jerks, ataxia, convulsions, asterixis, motor apraxia, muscle fatigue), and dementia (personality changes, altered mood, depression, diminished alertness, lethargy, 'clouding of the sensorium', intellectual deterioration, obtundation, coma), and altered EEG.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. Connecticut hazardous material survey.: Aluminum Illinois toxic substances disclosure to employee act: Aluminum Rhode Island RTK hazardous substances: Aluminum Pennsylvania RTK: Aluminum Minnesota: Aluminum Massachusetts RTK: Aluminum New Jersey: Aluminum New Jersey spill list: Aluminum California Director's List of Hazardous Substances: Aluminum TSCA 8(b) inventory: Aluminum SARA 313 toxic chemical notification and release reporting: Aluminum

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: B

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Not applicable. Safety glasses.

Section 16: Other Information

References:

-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986. 037 Waste manifest or notification not required.

Other Special Considerations: Not available.

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Last Updated: 11/01/2010 12:00 PM

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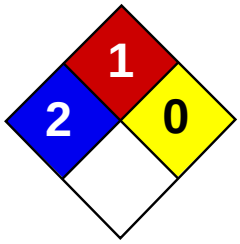

Material Safety Data Sheet
Antimony MSDS

Section 1: Chemical Product and Company Identification

Product Name: Antimony

Catalog Codes: SLA1453, SLA4462

CAS#: 7440-36-0

RTECS: CC4025000

TSCA: TSCA 8(b) inventory: Antimony

CI#: Not available.

Synonym: Stibium

Chemical Name: Not available.

Chemical Formula: Sb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Antimony	7440-36-0	100

Toxicological Data on Ingredients: Antimony: ORAL (LD50): Acute: 7000 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In

case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 121.75 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 1635°C (2975°F)

Melting Point: 630°C (1166°F)

Critical Temperature: Not available.

Specific Gravity: 6.691 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 7000 mg/kg [Rat].

Chronic Effects on Humans: Causes damage to the following organs: blood, kidneys, lungs, the nervous system, liver, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Human: passes through the placenta, excreted in maternal milk.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Antimony powder UNNA: UN2871 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Antimony Massachusetts RTK: Antimony TSCA 8(b) inventory: Antimony

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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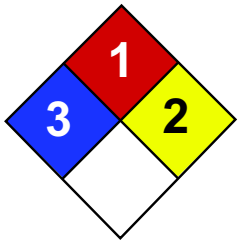

Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic Pennsylvania RTK: Arsenic Massachusetts RTK: Arsenic TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BARIUM**

CAS Number: 7440-39-3
DOT Number: UN 1400

RTK Substance number: 0180
Date: January 1986 Revision: September 2000

HAZARD SUMMARY

* **Barium** can affect you when breathed in.
* Contact can irritate and burn the skin and eyes.
* Breathing **Barium** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
* Very high exposure can cause **Barium** poisoning with symptoms of nausea, vomiting, diarrhea, irregular heartbeat, muscle weakness, tremors, paralysis and even death.
* **Barium** may damage the kidneys.
* **Barium** is a FLAMMABLE and REACTIVE chemical and a FIRE and EXPLOSION HAZARD.

IDENTIFICATION

Barium is a silver-white or yellowish metal powder. It is used in spark plugs and engine rod bearings, and to remove gas from vacuum tubes and television picture tubes.

REASON FOR CITATION

* **Barium** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, DEP, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is **FLAMMABLE** and **REACTIVE**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.5 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Barium** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Barium** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Barium**:

* Contact can irritate and burn the skin and eyes.
* Breathing **Barium** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
* Very high exposure can cause **Barium** poisoning with symptoms of nausea, vomiting, diarrhea, irregular heartbeat, muscle weakness, tremors, paralysis and even death.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Barium** and can last for months or years:

Cancer Hazard

* There is no evidence that **Barium** causes cancer in animals. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Reproductive Hazard

* There is no evidence that **Barium** affects reproduction. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Other Long-Term Effects

* **Barium** can irritate the lungs. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.
* **Barium** may damage the kidneys.
* Repeated exposure can cause an abnormal chest x-ray. This usually takes years to develop.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

* Lung function tests.
* Kidney function tests.
* EKG.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because smoking can cause heart disease, as well as lung cancer, emphysema, and other respiratory problems, it may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Barium** from drums or other storage containers to process containers.
* Before entering a confined space where **Barium** may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Barium** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Barium**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.

* On skin contact with **Barium**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Barium**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Barium** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Barium**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Barium**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **50 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **50 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

HANDLING AND STORAGE

* Prior to working with **Barium** you should be trained on its proper handling and storage.
* **Barium** reacts violently with WATER, releasing flammable and/or explosive *Hydrogen gas*.
* **Barium** must be stored to avoid contact with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); HALOGENATED HYDROCARBONS; and OXYGEN since violent reactions occur.
* **Barium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMAN-GANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and CHLORINATED SOLVENTS (such as CARBON TETRACHLORIDE and TRICHLOROETHYLENE).
* Store **Barium** under *Inert Gas*, *Petroleum*, or an *Oxygen-free liquid* to exclude air.
* Store in tightly closed containers in a cool, well-ventilated area away from MOISTURE and COMBUSTIBLES.
* Sources of ignition, such as smoking and open flames, are prohibited where **Barium** is used, handled, or stored.
* Use only non-sparking tools and equipment, especially when opening and closing containers of **Barium**.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **BARIUM**
DOT Number: **UN 1400**
NAERG Code: **138**
CAS Number: **7440-39-3**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	3	-
REACTIVITY	2	-
FLAMMABLE AND REACTIVE POISONOUS FUMES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE DO NOT USE WATER OR CARBON DIOXIDE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Barium** is a FLAMMABLE SOLID.
* Use dry chemical powder only to extinguish fire. DO NOT USE WATER or CARBON DIOXIDE.
* POISONOUS FUMES ARE PRODUCED IN FIRE, including *Barium Oxide*.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray only to keep fire-exposed containers cool.
* FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Barium** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Cover with dry lime, sand or soda ash, and place in covered containers for disposal.
* DO NOT USE WATER OR WET METHOD.
* Ventilate area after clean-up is complete.
* It may be necessary to contain and dispose of **Barium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

HANDLING AND STORAGE (See page 3)

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 10 mm Hg at 1,922^{o}F (1,050^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Barium

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **CADMIUM**

CAS Number: 7440-43-9
DOT Number: UN 2570

RTK Substance number: 0305
Date: April 1994 Revision: December 1999

HAZARD SUMMARY

* **Cadmium** can affect you when breathed in.
* **Cadmium** is a CARCINOGEN and a TERATOGEN -- HANDLE WITH EXTREME CAUTION.
* **Cadmium** can cause a flu-like illness with chills, headache, aching and/or fever.
* High exposure to **Cadmium** may cause nausea, salivation, vomiting, abdominal cramps and diarrhea.
* Breathing **Cadmium** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures can cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.
* Repeated low exposures can cause kidney and liver damage, anemia, and loss of smell.

IDENTIFICATION

Cadmium is a blue-white solid or gray-black powder. It is used in silver solder, making batteries and metal plating, for plastics and pigments, and as a catalyst.

REASON FOR CITATION

* **Cadmium** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, NTP, DEP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN** and a **TERATOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.005 mg/m^3** for **Cadmium** *dust* or *fume* averaged over an 8-hour workshift.

OSHA has recognized that some processes in certain industries may be unable to achieve the **0.005 mg/m^3** limit through engineering and work practices. These industries must follow SECALs (separate engineering control air limits) of either **0.015** or **0.05 mg/m^3**.

NIOSH: Recommends that exposure to occupational carcinogens be limited to the lowest feasible concentration.

ACGIH: The recommended airborne exposure limit is **0.01 mg/m^3** for *elemental* **Cadmium** and **0.002 mg/m^3** for **Cadmium** *compounds* (*respirable fraction*), averaged over an 8-hour workshift.

* **Cadmium** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Cadmium** is handled, used, or stored as required by the OSHA Standard: 29 CFR 1910.1027.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Cadmium** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Cadmium** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheets.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Cadmium**:

* **Cadmium** can cause a flu-like illness with chills, headache, aching and/or fever.
* High exposure to **Cadmium** may cause nausea, salivation, vomiting, abdominal cramps and diarrhea.
* Breathing **Cadmium** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures can cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Cadmium** and can last for months or years:

Cancer Hazard

* **Cadmium** is a PROBABLE CARCINOGEN in humans. There is some evidence that it causes prostate and kidney cancer in humans and it has been shown to cause lung and testes cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Cadmium** is a PROBABLE TERATOGEN in humans.
* **Cadmium** may damage the testes (male reproductive glands) and may affect the female reproductive cycle.

Other Long-Term Effects

* **Cadmium** can irritate the lungs. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.
* Repeated low exposures can cause permanent kidney damage which can lead to kidney stones.
* Long term exposure can cause anemia, loss of sense of smell, fatigue and/or yellow staining of teeth.
* **Cadmium** can damage the liver.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the TLV or greater, or significant skin contact), the following are recommended before beginning work and at regular times after that:

* Blood test for **Cadmium** (levels should be less than **5 micrograms per liter** of whole blood).
* Urine test for **Cadmium** (levels should be less than **3 micrograms per liter** of urine).
* Urine test for Beta-2-microglobulin to detect kidney damage.
* Urinalysis (UA).
* Lung function tests.
* Liver function tests.
* Complete blood count.
* Consider chest x-ray after acute overexposure.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Cigarette smoke contains some **Cadmium**. Because it is hard for the body to eliminate **Cadmium**, it tends to build up in the body. Any workplace exposure adds to these levels.
* Smoking cigarettes near **Cadmium** increases release of toxic fumes. Also, because both smoking and **Cadmium** can cause emphysema, lung effects may be greater in smokers.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* If **Cadmium** is used in a "hot" process such as smelting, steel fabricating or melting **Cadmium** *ingots*, **Cadmium** *fume* may be released. This is more acutely toxic than **Cadmium** *dust* and proper controls and protective equipment are necessary.
* Where possible, automatically transfer **Cadmium** from drums or other storage containers to process containers.
* Specific engineering controls are required for this chemical by OSHA. Refer to the OSHA Standards: 1910.1027, 1915.1027, 1926.63, and 1928.1027.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Cadmium** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Cadmium**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Cadmium**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Cadmium**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Cadmium** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Cadmium**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.002 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **9 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **9 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

HANDLING AND STORAGE

* Prior to working with **Cadmium** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Cadmium** is handled, used, or stored as required by the OSHA Standard: 1910.1027.
* **Cadmium** *powder* and *metal* must be stored to avoid contact with POTASSIUM, HYDRAZOIC ACID, and OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) since violent reactions occur.
* **Cadmium** may react with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release flammable *Hydrogen gas*.
* **Cadmium** *powder* is not compatible with SULFUR, SELENIUM, TELLURIUM, AMMONIUM NITRATE, and ZINC.
* Store in tightly closed containers in a cool, well-ventilated area away from AIR.

* Sources of ignition, such as smoking and open flames, are prohibited where **Cadmium** *powder* is used, handled, or stored.
* Store **Cadmium** *powder* under *Nitrogen*.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

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The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> **E M E R G E N C Y I N F O R M A T I O N** <<<<<<<<<<<<<<<<<

Common Name: **CADMIUM**
DOT Number: **UN 2570**
NAERG Code: **154**
CAS Number: **7440-43-9**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN FLAMMABLE IN POWDER FORM TOXIC FUMES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Cadmium** is a noncombustible solid but finely divided **Cadmium** *powder* is FLAMMABLE.
* Use dry chemical or CO_2 extinguishers for **Cadmium** *powder*.
* FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.
* TOXIC FUMES ARE PRODUCED IN A FIRE.
* CONTAINERS MAY EXPLODE IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Cadmium** *powder* is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Cadmium** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

==========

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

HANDLING AND STORAGE (See page 3)

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.
* Medical observation is recommended for 24 to 48 hours after breathing overexposure, as pulmonary edema may be delayed.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Cadmium
Other Names:
C.I. 77180; Colloidal Cadmium

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **CHROMIUM**

CAS Number: 7440-47-3
DOT Number: None

RTK Substance number: 0432
Date: April 1994 Revision: January 2000

HAZARD SUMMARY

* **Chromium** can affect you when breathed in.
* Exposure to **Chromium** *fumes* can cause "*metal fume fever*." This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.
* **Chromium** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
* **Chromium** *ore* has been reported to cause lung allergy. Once allergy develops, even small future exposure may cause coughing, wheezing or shortness of breath.

IDENTIFICATION

Chromium is a steel-gray, lustrous metal or a metallic grey powder. It is used in stainless and alloy steels, refractory products, tanning agents for leather, pigments, electroplating, catalysts, and corrosion-resistant products.

REASON FOR CITATION

* **Chromium** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, DEP and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over an 8-hour workshift.

* **Chromium** may form metal fumes which present different hazards than the substance itself.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Chromium** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Chromium** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheets.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chromium**:

* Exposure to **Chromium** *fumes* can cause "*metal fume fever*." This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Chromium** and can last for months or years:

Cancer Hazard

* There is no evidence that **Chromium** *metal* is a CARCINOGEN. Roasting of *Chromite ore* is suspected of having CARCINOGENIC potential.

Reproductive Hazard

* There is no evidence that **Chromium** affects reproduction. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Other Long-Term Effects

* **Chromium** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
* *Chromite ore* has been reported to cause lung allergy. Once allergy develops, even small future exposure may cause coughing, wheezing, or shortness of breath.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

* Lung function tests. These may be normal if the person is not having an attack at the time of the test.

If symptoms develop or overexposure is suspected, the following is recommended:

* Evaluation by a qualified allergist, including careful exposure history and special testing, may help diagnose skin allergy.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because smoking can cause heart disease, as well as lung cancer, emphysema, and other respiratory problems, it may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Chromium** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Chromium** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Chromium**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Chromium**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Chromium**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Chromium** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Chromium**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Chromium**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **250 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **250 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

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NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **CHROMIUM**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **7440-47-3**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Chromium** itself does not burn.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Chromium** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Cover with dry lime, sand or soda ash, and place in covered containers for disposal.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Chromium** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

==========

HANDLING AND STORAGE

* Prior to working with **Chromium** you should be trained on its proper handling and storage.
* **Chromium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Chromium
Other Names:
Chrome

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

```
ERROR: undefined
OFFENDING COMMAND: get

STACK:

/quit
-dictionary-
-mark-
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NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Se

Iron oxide dust and fume (as Fe)

CAS 1309-37-1

Fe_2O_3

RTECS NO74(NO7525000 (fun

Synonyms & Trade Names
Ferric oxide, Iron(III) oxide

DOT ID & Gui
1376 135 (spent)

Exposure Limits	**NIOSH REL**: TWA 5 mg/m^3
	OSHA PEL: TWA 10 mg/m^3

IDLH 2500 mg/m^3 (as Fe) See: 1309371

Conversion

Physical Description
Reddish-brown solid. [Note: Exposure to fume may occur during the arc-welding of iron.]

MW: 159.7	BP: ?	MLT: 2664°F	Sol: Insoluble
VP: 0 mmHg (approx)	IP: NA		Sp.Gr: 5.24
Fl.P: NA	UEL: NA	LEL: NA	

Noncombustible Solid

Incompatibilities & Reactivities
Calcium hypochlorite

Measurement Methods
NIOSH 7300, 7301, 7303, 9102; OSHA ID121, ID125G
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection codes)
Skin: No recommendation
Eyes: No recommendation
Wash skin: No recommendation
Remove: No recommendation
Change: No recommendation

First Aid (See procedures)

Breathing: Respiratory support

Respirator Recommendations NIOSH

Up to 50 mg/m^3:
(APF = 10) Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering face quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, P100. Click here for inform selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 125 mg/m^3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered air-purifying respirator with a high-efficiency particulate filter.

Up to 250 mg/m^3:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on sel or P filters.
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece
Up to 2500 mg/m^3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode
Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand o pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positiv mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on sel or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

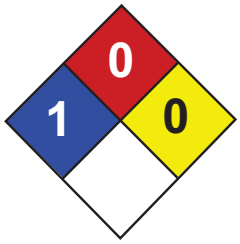
Exposure Routes inhalation

Symptoms Benign pneumoconiosis with X-ray shadows indistinguishable from fibrotic pneumoconiosis (siderosis)

Target Organs respiratory system

See also: INTRODUCTION See ICSC CARD: 1577 MEDICAL TESTS: 0122

NIOSH Home | NIOSH Search | Site Index | Topic List | Contact Us



Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **MAGNESIUM**

CAS Number: 7439-95-4
DOT Number: UN 1869
UN 1418 (powder)

RTK Substance number: 1136
Date: January 1986 Revision: September 1999

HAZARD SUMMARY

* **Magnesium** *dust* or *fume* can affect you when breathed in.
* Contact can irritate the skin and eyes.
* Breathing **Magnesium** *dust* can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
* Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.

IDENTIFICATION

Magnesium is a light, silvery-white metal. It is an essential trace element. It is used in making structural parts, diecast auto parts, missiles, precision instruments, optical mirrors, flash bulbs and flares, pyrotechnics, and batteries.

REASON FOR CITATION

* **Magnesium** is on the Hazardous Substance List because it is cited by DOT and NFPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Magnesium**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Magnesium**.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Magnesium** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheets.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Magnesium**:

* **Magnesium** *dust* can irritate the eyes and skin.
* Breathing **Magnesium** *dust* can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Magnesium** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Magnesium** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Magnesium** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Magnesium**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Magnesium**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Magnesium**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Magnesium** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Magnesium**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Magnesium**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

HANDLING AND STORAGE

* Prior to working with **Magnesium** you should be trained on its proper handling and storage.
* *Finely powdered* **Magnesium** must be stored to avoid contact with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC, and NITRIC); HALOCARBONS; CARBONATES; SULFATES; CYANIDES; CHLORINATED HYDROCARBONS (such as CARBON TETRACHLORIDE and CHLOROFORM); METHANOL; ACETYLENE; ETHYLENE OXIDE; BERYLLIUM FLUORIDE; AMMONIUM SALTS; ARSENIC; PHOSPHATES; and METAL OXIDES (such as MERCURIC OXIDE and CUPRIC OXIDE) since violent reactions occur.
* Store in tightly closed containers in a cool, well-ventilated area away from WATER and MOISTURE as **Magnesium** in finely *powdered*, *chip* or *sheet* form will react with WATER to form flammable *Hydrogen gas*.
* Use only non-sparking tools and equipment, especially when opening and closing containers of **Magnesium**.
* Sources of ignition, such as smoking and open flames, are prohibited where **Magnesium** is used, handled, or stored.
* Protect storage containers from physical damage.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **MAGNESIUM**
DOT Number: **UN 1869**
UN 1418 (powder)
NAERG Code: **138**
CAS Number: **7439-95-4**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	-	1
REACTIVITY	-	1
FLAMMABLE OR COMBUSTIBLE DO NOT USE WATER POISONOUS GASES ARE PRODUCED IN FIRE POWDERS ARE EXPLOSIVE IN AIR		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Magnesium** is a COMBUSTIBLE SOLID or a FLAMMABLE POWDER.
* Use dry sand, MetL-X powder or graphite powder, soda ash, Class D extinguishers or talc to extinguish fires.
* DO NOT USE water, CO_2, foam or dry chemical extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.
* POWDERS FORM EXPLOSIVE MIXTURES WITH AIR.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Magnesium** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate area of spill or leak after clean-up is complete.
* Keep **Magnesium** out of a confined space, such as a sewer, because of the possibility of an explosion, unless the sewer is designed to prevent the build-up of explosive concentrations.
* It may be necessary to contain and dispose of **Magnesium** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE (See page 3)

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Water Solubility: Insoluble and Reactive

OTHER COMMONLY USED NAMES

Chemical Name:

Magnesium

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

September 2005

NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Search

Manganese compounds and fume (as Mn)

CAS 7439-96-5 (metal)

Mn (metal)

RTECS OO9275000 (metal)

Synonyms & Trade Names
Manganese metal: Colloidal manganese, Manganese-55
Synonyms of other compounds vary depending upon the specific manganese compound.

DOT ID & Guide

Exposure Limits

NIOSH REL*: TWA 1 mg/m^3 ST 3 mg/m^3 [*Note: Also see specific listings for Manganese cyclopentadienyl tricarbonyl, Methyl cyclopentadienyl manganese tricarbonyl, and Manganese tetroxide.]

OSHA PEL*: C 5 mg/m^3 [*Note: Also see specific listings for Manganese cyclopentadienyl tricarbonyl and Methyl cyclopentadienyl manganese tricarbonyl.]

IDLH 500 mg/m^3 (as Mn) See: 7439965

Conversion

Physical Description
A lustrous, brittle, silvery solid.

MW: 54.9	BP: 3564°F	MLT: 2271°F	Sol: Insoluble
VP: 0 mmHg (approx)	IP: NA		Sp.Gr: 7.20 (metal)
Fl.P: NA	UEL: NA	LEL: NA	

Metal: Combustible Solid

Incompatibilities & Reactivities
Oxidizers [Note: Will react with water or steam to produce hydrogen.]

Measurement Methods
NIOSH 7300, 7301, 7303, 9102; OSHA ID121, ID125G
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection codes)
Skin: No recommendation
Eyes: No recommendation
Wash skin: No recommendation
Remove: No recommendation
Change: No recommendation

First Aid (See procedures)

Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations NIOSH

Up to 10 mg/m^3:
(APF = 10) Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, P100. Click here for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 25 mg/m^3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered air-purifying respirator with a high-efficiency particulate filter.

Up to 50 mg/m^3:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters.
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 500 mg/m^3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, ingestion

Symptoms Manganism; asthenia, insomnia, mental confusion; metal fume fever: dry throat, cough, chest tightness, dyspnea (breathing difficulty), rales, flu-like fever; low-back pain; vomiting; malaise (vague feeling of discomfort); lassitude (weakness, exhaustion); kidney damage

Target Organs respiratory system, central nervous system, blood, kidneys

See also: INTRODUCTION See ICSC CARD: 0174 See MEDICAL TESTS: 0131

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OFFENDING COMMAND: get

STACK:

/quit
-dictionary-
-mark-
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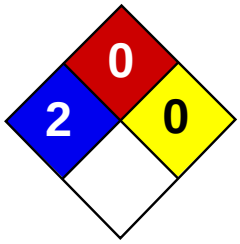

Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Nickel metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Nickel metal

Catalog Codes: SLN2296, SLN1342, SLN1954

CAS#: 7440-02-0

RTECS: QR5950000

TSCA: TSCA 8(b) inventory: Nickel metal

CI#: Not applicable.

Synonym: Nickel Metal shot; Nickel metal foil.

Chemical Name: Nickel

Chemical Formula: Ni

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel metal	7440-02-0	100

Toxicological Data on Ingredients: Nickel metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to skin. The substance may be toxic to kidneys, lungs, liver, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. This material is flammable in powder form only.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion. Mixtures containing Potassium Perchlorate with Nickel & Titanium powders & infusorial earth can explode. Adding 2 or 3 drops of approximately 90% peroxyformic acid to powdered nickel will result in explosion. Powdered nickel reacts explosively upon contact with fused ammonium nitrate at temperatures below 200 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable. TWA: 0.5 (mg/m3) [United Kingdom (UK)] TWA: 1 (mg/m3) from OSHA (PEL) [United States] InhalationConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid. Lustrous solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 58.71 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 2730°C (4946°F)

Melting Point: 1455°C (2651°F)

Critical Temperature: Not available.

Specific Gravity: Density: 8.908 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Insoluble in cold water, hot water. Insoluble in Ammonia. Soluble in dilute Nitric Acid. Slightly soluble in Hydrochloric Acid, Sulfuric Acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, combustible materials, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders (especially zinc, aluminum, and magnesium), ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate + titanium powder + indusorial earth.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. Causes damage to the following organs: skin. May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose/Conc: LDL [Rat] - Route: Oral; Dose: 5000 mg/kg LDL [Guinea Pig] - Route: Oral; Dose: 5000 mg/kg

Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Nickel dust and fume can irritate skin. Eyes: Nickel dust and fume can irritate eyes. Inhalation: Inhalation of dust or fume may cause respiratory tract irritation with non-productive cough, hoarseness, sore throat, headache, vertigo, weakness, chest pain, followed by delayed effects, including tachypnea, dyspnea, and ARDS. Death due to ARDS has been reported following inhalation of high concentrations of respirable metallic nickel dust. Later effects may include pulmonary edema and fibrosis. Ingestion: Metallic nickel is generally considered not to be acutely toxic if ingested. Ingestion may cause nausea, vomiting, abdominal , and diarrhea. Nickel may damage the kidneys(proteinuria), and may affect liver function. It may also affect behavior (somnolence), and cardiovascular system (increased cornary artery resistance, decreased myocardial contractility, myocardial damage, regional or general arteriolar or venus dilation). Chronic Potential Health Effects: Skin: May cause skin allergy. Nickel and nickel compounds are among the most common sensitizers inducing allergic contact dermatitis. Inhalation: Chronic inhalation nickel dust or fume can cause chronic hypertrophic rhinitis, sinusitis, nasal polyps, perforation of the nasal septum, chronic pulmonary irritation, fibrosis, pulmonary edema, pulmonary eosinophilia, Pneumoconiosis, allergies (asthma-like allergy), and cancer of the nasal sinus cavities, lungs, and possibly other organs. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness. Chronic inhalation of nickel dust or fume may also affect the liver (impaired liver function tests), and blood (changes in red blood cell count). Ingestion: Prolonged or repeated ingestion of nickel can be a source chronic urticaria and other signs of allergy.

Chronic ingestion of NIckel may also affect respiration and cause pneumoconiosis or fibrosis. Note: In the general population, sensitization occurs from exposure to nickel-containing coins, jewelry, watches,

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Nickel metal California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nickel metal Connecticut hazardous material survey.: Nickel metal Illinois toxic substances disclosure to employee act: Nickel metal Illinois chemical safety act: Nickel metal New York release reporting list: Nickel metal Rhode Island RTK hazardous substances: Nickel metal Pennsylvania RTK: Nickel metal Michigan critical material: Nickel metal Massachusetts RTK: Nickel metal Massachusetts spill list: Nickel metal New Jersey: Nickel metal New Jersey spill list: Nickel metal Louisiana spill reporting: Nickel metal California Director's List of Hazardous Substances: Nickel metal TSCA 8(b) inventory: Nickel metal

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R43- May cause sensitization by skin contact. S22- Do not breathe dust. S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 11/01/2010 12:00 PM

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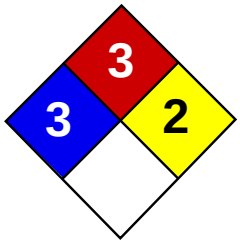

Material Safety Data Sheet
Sodium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Sodium

Catalog Codes: SLS3505

CAS#: 7440-23-5

RTECS: VY0686000

TSCA: TSCA 8(b) inventory: Sodium

CI#: Not applicable.

Synonym: Natrium

Chemical Name: Sodium

Chemical Formula: Na

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Sodium	7440-23-5	100

Toxicological Data on Ingredients: Sodium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 115°C (239°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Extremely flammable in presence of moisture. Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. Moisture reactive material. SMALL FIRE: Obtain advice on use of water. Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep under inert atmosphere. Keep container dry. Do not breathe dust. Never add water to this product In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 22.99 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 881.4°C (1618.5°F)

Melting Point: 97.8°C (208°F)

Critical Temperature: Not available.

Specific Gravity: 0.97 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances:
Highly reactive with oxidizing agents, acids, moisture. The product reacts violently with water to emit flammable but non toxic gases.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant). Hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Material is destructive to tissue of the mucous membranes and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.3: Material that emits flammable gases on contact with water.

Identification: : Sodium : UN1428 PG: I

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Sodium Massachusetts RTK: Sodium TSCA 8(b) inventory: Sodium CERCLA: Hazardous substances.: Sodium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R17- Spontaneously flammable in air. R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 3

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 3

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Last Updated: 11/01/2010 12:00 PM

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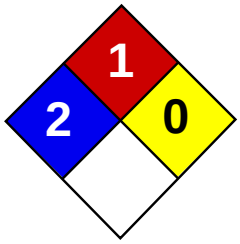

Material Safety Data Sheet
Silver MSDS

Section 1: Chemical Product and Company Identification

Product Name: Silver

Catalog Codes: SLS4222, SLS2005, SLS3427, SLS1210, SLS2632, SLS4054, SLS1837

CAS#: 7440-22-4

RTECS: VW3500000

TSCA: TSCA 8(b) inventory: Silver

CI#: Not applicable.

Synonym:

Chemical Formula: Ag

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Silver	7440-22-4	100

Toxicological Data on Ingredients: Silver: ORAL (LD50): Acute: 100 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact: No known effect on skin contact, rinse with water for a few minutes.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 (mg/m3) from OSHA (PEL) TWA: 0.01 (mg/m3) from OSHA NIOSH Australia: TWA: 0.1 (mg/m3)Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid metallic powder. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 107.87 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 2212°C (4013.6°F)

Melting Point: 961°C (1761.8°F)

Critical Temperature: Not available.

Specific Gravity: 10.4 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Is not dispersed in cold water, hot water.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 100 mg/kg [Mouse].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Very hazardous in case of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Silver Pennsylvania RTK: Silver Minnesota: Silver Massachusetts RTK: Silver New Jersey: Silver TSCA 8(b) inventory: Silver TSCA 8(a) PAIR: Silver TSCA 8(d) H and S data reporting: Silver SARA 313 toxic chemical notification and release reporting: Silver: 1% CERCLA: Hazardous substances.: Silver: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC): R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:26 PM

Last Updated: 11/01/2010 12:00 PM

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Material Safety Data Sheets

Division of Facilities Services

DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only

351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Compositon/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

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Section 1 - Product and Company Identification
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Product Identification: 351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER
Date of MSDS: 01/01/1987 **Technical Review Date:** 10/28/1986
FSC: 8010 **NIIN:** 00-145-0189
Submitter: N EN
Status Code: C
MFN: 02
Article: N
Kit Part: Y

Manufacturer's Information

Manufacturer's Name: PORTER PAINT
Manufacturer's Address1:
Manufacturer's Address2: N/P, NK 00000
Manufacturer's Country: NK
General Information Telephone:
Emergency Telephone: 502-588-9200
Emergency Telephone: 502-588-9200
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: Y
Published: Y
CAGE: KO267
Special Project Code: N

Item Description

Item Name: PRIMER COATING
Item Manager: GSA
Specification Number: N/K
Type/Grade/Class: NK
Unit of Issue: KT
Unit of Issue Quantity: 0
Type of Container: N/K

Contractor Information

Contractor's Name: COURTAULDS COATINGS
Contractor's Address1: 400 S 13TH STREET
Contractor's Address2: LOUISVILLE, KY 40203
Contractor's Telephone: 502-588-9200/800-854-6813
Contractor's CAGE: 50411

Contractor Information

Contractor's Name: PORTER PAINT
Contractor's Address1: UNKNOWN
Contractor's Address2: UNKNOWN, NK 00000
Contractor's Telephone: UNKNOWN
Contractor's CAGE: KO267

Section 2 - Compositon/Information on Ingredients
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Ingredient Name: LEAD CAS# 7439-92-1
Ingredient CAS Number: Ingredient CAS Code: X
RTECS Number: RTECS Code: X
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:

<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 0.07
% Enviromental Weight:
Other REC Limits: N/P
OSHA PEL: N/P **OSHA PEL Code:**
OSHA STEL: OSHA STEL Code:
ACGIH TLV: 150 UG/CUM **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Ingredient Name: ZINC (SARA III)
Ingredient CAS Number: 7440-66-6 **Ingredient CAS Code:** M
RTECS Number: ZG8600000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 97
% Enviromental Weight:
Other REC Limits: N/P
OSHA PEL: 10 MG ZNO/M3 **OSHA PEL Code:** M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: 10 MG ZNO/M3; 9192 **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity: 1000 LBS
DOT Reporting Quantity: 1000 LBS
Ozone Depleting Chemical: N

Ingredient Name: ZINC OXIDE
Ingredient CAS Number: 1314-13-2 **Ingredient CAS Code:** M
RTECS Number: ZH4810000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:

% High Volume: % High Volume Code:
% Text: 3
% Enviromental Weight:
Other REC Limits: N/P
OSHA PEL: 15MG/M3 TDUST/5 FUME **OSHA PEL Code:** M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: 10MG/M3 TDUST; 9293 **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:
INHAL:IRRIT RESP TRACT OR ACUTE NERVOUS SYSTEM CAUSING HDCH,DIZZ OR NAUS.EYE,SKIN:PRIMARY IRRITATION

Medical Conditions Aggravated by Exposure:
N/P

LD50 LC50 Mixture: N/P

Route of Entry Indicators:
- **Inhalation:** N/P
- **Skin:** N/P
- **Ingestion:** N/P

Carcenogenicity Indicators
- **NTP:** N/P
- **IARC:** N/P
- **OSHA:** N/P

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

First Aid:
INHAL:REMOVE FROM EXPOS.KEEP WARM AND QUIET.CALL MD.EYES:FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.TAKE TO PHYSICIAN FOR MEDICAL TREATMENT.SKIN:WASH AFFECTED AREAS WITH LAR GE AMOUNTS OF WATER.REMOVE CONTAM CLOTHING.

Section 5 - Fire Fighting Measures
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Fire Fighting Procedures:

KEEP CONTNR TIGHT CLOSED.ISOL FROM IGNIT SOURCE.WEAR SCBA.
Unusual Fire or Explosion Hazard:
CLOSED CONTNR MAY EXPLO.AVOID EXPOS TO DECOMP.IF NO ELECTRICITY,WATER SPRAY W/ FOG NOZ USED TO COOL.
Extinguishing Media:
FOAM,DRY CHEMICAL,CO*2
Flash Point: Flash Point Text: N/R(PER MFR)

Autoignition Temperature:
Autoignition Temperature Text: N/K
Lower Limit(s): N/R
Upper Limit(s): N/R

Section 6 - Accidental Release Measures
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Spill Release Procedures:
REMOVE ALL SOURCES OF IGNITION(FLAMES,HOT SURFACES & ELECTRICAL,STATIC OR FRICTION SPARKS).AVOID BREATHING VAPORS,WEAR APPROVED(NIOSH OR MSHA) RESPIRATOR AND VENTILATE AREA.REMOVE WITH INERT ABSORBENT SUCH AS SAND,KITTY LITER,ETC & USE NON-SPARK TOOL

Section 7 - Handling and Storage
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Repiratory Protection:
NIOSH/MSHA APPRVD EQUIP,ONLY IN CONFINED AREA,AIR-LINE RESP,HOOD.SUP
Ventilation:
GEN DILUT OR LOCAL EXHST TO KEEP
Protective Gloves:
RUBBER,NEOPRENE
Eye Protection: SAFE GOG W/ SPLASH GUARDS
Other Protective Equipment: AS NEEDED-USE BODY PROTECTION,SUCH AS RUBBER APRON,ETC.
Work Hygenic Practices: N/P
Supplemental Health & Safety Information: MSDS PREP:85329.RESPIR:OPEN AREAS:USE MECH FLTER RESPIR TO REMOVE SOLID PARTICLES.RESTRICT AREAS:MECH FILTER RESPIR TO REMOVE PARTICLES, GAS AND VAPORS.PROD IS PART B OF 2-PART KIT.KEY1:N1.

Section 9 - Physical & Chemical Properties
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

HCC: F3
NRC/State License Number: N/R

Net Property Weight for Ammo: N/R
Boiling Point: Boiling Point Text: N/K
Melting/Freezing Point: Melting/Freezing Text: N/A
Decomposition Point: Decomposition Text: N/A
Vapor Pressure: N/R **Vapor Density:** N/R
Percent Volatile Organic Content:
Specific Gravity: 7.06
Volatile Organic Content Pounds per Gallon:
pH: N/P
Volatile Organic Content Grams per Liter:
Viscosity: N/A
Evaporation Weight and Reference: N/R
Solubility in Water: NEGLIGIBLE
Appearance and Odor: GREY POWDER
Percent Volatiles by Volume: N/R
Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Stability Indicator: YES
Materials to Avoid:
NONE(PER MFR)
Stability Condition to Avoid:
CONTACT WITH ALUMINUM IN CLOSED SYSTEM MAY CAUSE VIOLENT RXN
Hazardous Decomposition Products:
WHEN HEATED TO DECOMP AS IN WELDING,MAY PRODUCE CO,ZNO,CO*2.
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization:
N/R

Section 11 - Toxicological Information
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Toxicological Information:
N/P

Section 12 - Ecological Information
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Ecological Information:
N/P

Section 13 - Disposal Considerations
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Waste Disposal Methods:
DISPOSE OF IN A SAFE MANNER IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS THAT APPLY TO INCINERATION OR SECURE LANDFILL.

Section 14 - MSDS Transport Information
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Transport Information:
N/P

Section 15 - Regulatory Information
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER

Other Information:
N/P

HMIS Transportation Information

Product Identification: 351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER
Transporation ID Number: 50647
Responsible Party CAGE: KO267
Date MSDS Prepared: 01/01/1987
Date MSDS Reviewed: 03/03/1987
MFN: 03/03/1987
Submitter: N TN
Status Code: C

Container Information
- **Unit of Issue:** KT
- **Container Quantity:** 0
- **Type of Container:** N/K
- **Net Unit Weight:** 11 LB

Article without MSDS: N
Technical Entry NOS Shipping Number:
Radioactivity: N/A
Form:
Net Explosive Weight: N/A
Coast Guard Ammunition Code: N/A
Magnetism: N/P
AF MMAC Code:
DOD Exemption Number: N/K
Limited Quantity Indicator:
Multiple Kit Number: 0
Kit Indicator: N
Kit Part Indicator: Y
Review Indicator: Y
Additional Data:
NOT REGULATED FOR SHIPPING.PART B OF 2 PART KIT.

Department of Transportation Information

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Code: ZZZ
Symbols: N/R
DOT PSN Modifier:
Hazard Class: N/R
UN ID Number: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision(s): N/R
Packaging Exception: N/R
Non Bulk Packaging: N/R
Bulk Packaging: N/R
Maximum Quanity in Passenger Area: N/R
Maximum Quanity in Cargo Area: N/R
Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO PSN Modifier:
IMDG Page Number: N/R
UN Number: N/R
UN Hazard Class: N/R
IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R
Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA PSN Modifier:
IATA UN Id Number: N/R
IATA UN Class: N/R
Subsidiary Risk Class: N/R
UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R

Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: 351B,ZINC-LOCK INORGANIC ZINC,ZINC POWDER
CAGE: KO267
Assigned Individual: Y
Company Name: PORTER PAINT
Company PO Box:
Company Street Address1: UNKNOWN
Company Street Address2: UNKNOWN, NK 00000 NK
Health Emergency Telephone: 502-588-9200
Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

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PCB DISPOSAL

MATERIAL SAFETY DATA SHEET

(POLYCHLORINATED BIPHENYLS)

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name: polychlorinated biphenyls (PCBs)

HAZARD IDENTIFICATION

Reports of Carcinogenicity: YES

HEALTH HAZARDS ACUTE AND CHRONIC

- **Eyes**: Moderately irritating to eye tissues.
- **Skin**: Can be absorbed through intact skin, may cause de-fatting, potential for chloracne.
- **Inhalation**: Possible liver injury.
- **Ingestion**: Slightly toxic; reasonably anticipated to be carcinogenic.

EFFECTS OF OVER-EXPOSURE

Can cause dermatological symptoms; however, these are reversible upon removal of exposure source.

FIRST AID MEASURES

- **Eyes**: Irrigate immediately with copious quantities of running water for at least 15 minutes if liquid or solid PCBs get into them.
- **Skin:** Contaminated clothing should be removed and the skin washed thoroughly with soap and water. Hot PCBs may cause thermal burns.
- **Inhalation**: Remove to fresh air; if skin rash or respiratory irritation persists, consult a physician (if electrical equipment arcs over, PCBs may decompose to produce hydrochloric acid).
- **Ingestion**: Consult a physician. Do not induce vomiting or give any oily laxatives. (If large amounts are ingested, gastric lavage is suggested).

FIRE FIGHTING MEASURES: Flash Point: >141 ^{o}C (285.8 ^{o}F)

EXTINGUISHING MEDIA: PCBs are fire-resistant compounds.

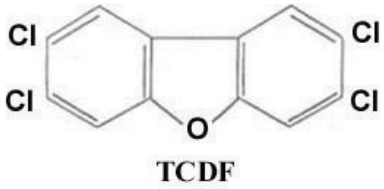
FIRE-FIGHTING PROCEDURES

Standard fire-fighting wearing apparel and self-contained breathing apparatus should be worn when fighting fires that involve possible exposure to chemical combustion products. Fire fighting equipment should be thoroughly cleaned and decontaminated after use.

UNUSUAL FIRE/EXPLOSION HAZARD

If a PCB transformer is involved in a fire-related incident, the owner of the transformer is required to report the incident. Consult and follow appropriate federal, provincial and local regulations.

***Note**: When askarel liquid becomes involved in a fire, toxic by-products of combustion are typically produced including polychlorinated dibenzofurans and polychlorinated dibenzodioxins, both known carcinogens. The structures of these chemical species are as follows:*

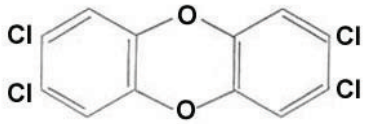


TCDF

$C_{12}H_{8-n}Cl_nO$

$n = 4 - 8$

2,3,7,8-tetrachlorodibenzofuran



TCDD

$C_{12}H_{8-n}Cl_nO_2$

$n = 4 - 8$

2,3,7,8-tetrachloro-dibenzo-p-dioxin

***Note**: 2,3,7,8-tetrachloro-dibenzo-p-dioxin is one of the most potent teratogenic, mutagenic and carcinogenic agents known to man.*

SPILL RELEASE PROCEDURES

Cleanup & disposal of liquid PCBs are strictly regulated by the federal government. Ventilate area. Contain spill/leak. Remove spill by means of absorptive material. Spill clean-up personnel should use proper protective clothing. All wastes and residues containing PCBs should be collected, containerized, marked and disposed of in the manner prescribed by applicable federal, provincial and local laws.

HANDLING AND STORAGE PRECAUTIONS

Care should be taken to prevent entry into the environment through spills, leakage, use, vaporization, or disposal of liquid. Avoid prolonged breathing of vapours or mists. Avoid contact with eyes or prolonged contact with skin. Comply with all federal, provincial and local regulations.

OTHER PRECAUTIONS

Federal regulations require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be appropriately labelled.

RESPIRATORY PROTECTION

Use OHSA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical splash goggles. The respirator use limitations specified by the manufacturer must be observed.

VENTILATION

Provide natural or mechanical ventilation to control exposure levels below airborne exposure levels.

PROTECTIVE GLOVES: Wear appropriate chemical resistant gloves to prevent skin contact.

EYE PROTECTION: Wear chemical splash goggles and have eye baths available.

OTHER PROTECTIVE EQUIPMENT

Wear appropriate protective clothing. Provide a safety shower at any location where skin contact can occur.

WORK HYGIENIC PRACTICES

Wash thoroughly after handling. Supplemental safety and health : none

PHYSICAL/CHEMICAL PROPERTIES

- **Vapour pressure:** (mm Hg @100 ^{o}F) 0.005 - 0.00006
- **Viscosity:** (CENTISTOKES) 3.6 - 540
- **Stability indicator/materials to avoid:** Yes
- **Stability Condition to Avoid:** PCBs are very stable, fire-resistant compounds.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, hydrogen chloride, phenolics, aldehydes, furans, dioxins

WASTE DISPOSAL METHODS

Consult the applicable PCB regulations prior to any disposal of PCBs or PCB-contaminated items.

LOGIN REGISTER CHANGE COUNTRY

Search

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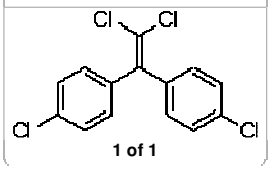

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- **123897 (Aldrich)**

123897 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethene

Aldrich **99%**

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Price and Availability

Product Number	Availability	Your Price USD	Quantity	Actions
123897-1G	In Stock details... Ships on 05/13/11	39.00		

Synonym:	4,4′-DDE
CAS Number:	72-55-9
Linear Formula:	$(ClC_6H_4)_2C=CCl_2$
Molecular Weight:	318.03
Beilstein Registry Number:	1913355
EC Number:	200-784-6
MDL number:	MFCD00000837
PubChem Substance ID:	24847587

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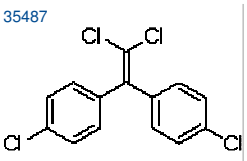
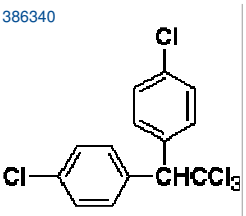


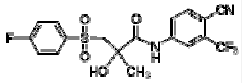
4,4′-DDE
PESTANAL®, analytical standard

386340



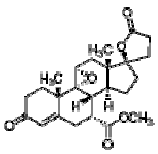
4,4′-DDT
98%

B9061



Bicalutamide (CDX)
≥98% (HPLC), powder

E6657



Eplerenone
≥98% (HPLC)

Details Related Products References Reviews

Description

Biochem/physiol Actions	Metabolite of DDT. Potent androgen receptor antagonist, the presence of which has been associated with an increased risk of breast cancer development.
Packaging	1, 5 g in glass btl

Properties

assay	99%
mp	88-90 °C(lit.)
Gene Information	Research your gene in Your Favorite Gene powered by Ingenuity mouse ... Esr1(13982) rat ... Ar(24208)

Safety

Symbol	GHS07, GHS08, GHS09
Signal word	Warning
Hazard statements	H302-H351-H410
Precautionary statements	P273-P281-P501
Personal Protective Equipment	Eyeshields, full-face particle respirator type N100 (US), Gloves, respirator cartridge type N100 (US), type P1 (EN143) respirator filter, type P3 (EN 143) respirator cartridges
Hazard Codes	Xn,N
Risk Statements	22-40-50/53

Safety Statements	36/37-60-61
RIDADR	UN 3077 9/PG 3
WGK Germany	3

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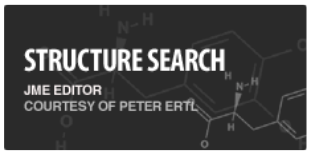

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Material Safety Data Sheet

Version 4.1
Revision Date 01/17/2012
Print Date 06/04/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDD
Product Number	:	35486
Brand	:	Fluka
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

GHS Classification
Acute toxicity, Dermal (Category 4)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard: 2
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May cause skin irritation.
Eyes May cause eye irritation.
Ingestion Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane
TDE

Formula : $C_{14}H_{10}Cl_4$
Molecular Weight : 320.04 g/mol

Component		Concentration
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane		
CAS-No.	72-54-8	-
EC-No.	200-783-0	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	94.0 - 96.0 °C (201.2 - 204.8 °F)
Boiling point	193.0 °C (379.4 °F) at 1.3 hPa (1.0 mmHg)
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	< 0.00001 hPa (< 0.00001 mmHg) at 25.0 °C (77.0 °F)

Density	1.38 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.02
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - Hamster - > 5,000 mg/kg

TDLo Oral - Human - 428.5 mg/kg
Remarks: Endocrine:Adrenal cortex hypoplasia.

TDLo Oral - rat - 6,000 mg/kg
Remarks: Cardiac:Other changes. Gastrointestinal:Other changes. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli.

TDLo Oral - rat - 14 mg/kg
Remarks: Liver:Changes in liver weight. Endocrine:Estrogenic. Musculoskeletal:Other changes.

TDLo Oral - rat - 2,100 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Inhalation LC50
no data available

Dermal LD50
LD50 Dermal - rabbit - 1,200 mg/kg
Remarks: Behavioral:Excitement. Behavioral:Convulsions or effect on seizure threshold. Skin irritation

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KI0700000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - other fish - 1.18 - 9 mg/l - 96.0 h
	LC50 - Lepomis macrochirus (Bluegill) - 0.04 - 0.05 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.06 - 0.09 mg/l - 96.0 h
	LC50 - Pimephales promelas (fathead minnow) - 3.47 - 5.58 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia pulex (Water flea) - 0.01 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
Indication of bioaccumulation.

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Marine pollutant: No

IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)

15. REGULATORY INFORMATION

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

New Jersey Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	

16. OTHER INFORMATION

Further information
Copyright 2012 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

4,4'-DDT: sc-238975

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 4,4'-DDT
Product Number: sc-238975

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Carcinogen, Toxic by ingestion, Toxic by skin absorption

Target Organs

Liver, Pancreas.

GHS Classification

Acute toxicity, Dermal (Category 3)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Specific target organ toxicity - repeated exposure, Oral (Category 1)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301 + H311	Toxic if swallowed or in contact with skin
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P314	Get medical advice/ attention if you feel unwell.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	2
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane
Formula: C14H9Cl5
Molecular Weight: 354.49

CAS-No.	*EC-No.*	*Index-No.*	*Concentration*
4,4'-DDT			
50-29-3	200-024-3	602-045-00-7	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact
Flush eyes with water as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous combustion products
Hazardous decomposition products formed under fire conditions - Carbon oxides, Hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	TWA	0.5 mg/m3	USA. NIOSH Recommended Exposure Limits
Remarks	Potential Occupational Carcinogen See Appendix A			
		TWA	1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Liver damage Confirmed animal carcinogen with unknown relevance to humans			
		TWA	1 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
	Skin notation			
		TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Skin designation Substance listed; for more information see OSHA document 1910.1044			

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	solid	pH	no data available
Melting point/range	107 - 110 °C - lit	Boiling point	260.0 °C
Flash point	72.0 - 77.0 °C	Ignition temperature	no data available
Autoignition temperature	no data available	Lower explosion limit	no data available

Upper explosion limit	no data available	Density	0.99 g/cm3
Water solubility	no data available	Relative vapor density	no data available
Odor	no data available	Odor Threshold	no data available
Evaporation rate	no data available	Partition coefficient	log Pow: 6.91
Vapor pressure	0.0000021 hPa at 20.0 °C	n-octanol/water	
log Pow: 6.91			

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions
no data available
Conditions to avoid
no data available
Materials to avoid
Oxidizing agents, Iron and iron salts.
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Oral LD50 LD50 Oral - rat - 87.0 mg/kg
Inhalation LC50 no data available
Dermal LD50 LD50 Dermal - rabbit - 300.0 mg/kg
Remarks: Behavioral: Tremor. Behavioral:Muscle weakness. Behavioral:Ataxia.
Other information on acute toxicity no data available
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitization
no data available
Germ cell mutagenicity
no data available
Carcinogenicity
Limited evidence of carcinogenicity in animal studies

IARC:	2B - Group 2B: Possibly carcinogenic to humans (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
NTP:	Reasonably anticipated to be a human carcinogen (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
no data available
Teratogenicity
no data available
Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System)
Ingestion - Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard
no data available
Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
CNS stimulation.
Synergistic effects
no data available
Additional Information
RTECS: KJ3325000

12. ECOLOGICAL INFORMATION

Toxicity
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 0.01 mg/l - 96.0 h
LC50 - Lepomis macrochirus (Bluegill) - 0.01 mg/l - 96.0 h
LC50 - Oncorhynchus mykiss (rainbow trout) - 0.003400 mg/l - 96.0 h
LOEC - Oncorhynchus mykiss (rainbow trout) - 150 mg/l - 3.0 d
NOEC - Oncorhynchus mykiss (rainbow trout) - 113 mg/l - 3.0 d
Toxicity to daphnia and other aquatic invertebrates
Immobilization EC50 - Daphnia magna (Water flea) - 0.00108 mg/l - 48 h
Toxicity to algae LC100 - Scenedesmus quadricauda (Green algae) - > 20 mg/l - 7 d
Persistence and degradability
no data available
Bioaccumulative potential
Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 20 d
Bioconcentration factor (BCF): 46,670
Mobility in soil
no data available
PBT and vPvB assessment
no data available
Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: Severe marine pollutant
Poison Inhalation Hazard: No
IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Marine pollutant: Marine pollutant
IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)

15. REGULATORY INFORMATION

OSHA Hazards

Carcinogen, Toxic by ingestion, Toxic by skin absorption

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

4,4'-DDT CAS-No.: 50-29-3

Pennsylvania Right To Know Components

4,4'-DDT CAS-No.: 50-29-3

New Jersey Right To Know Components

4,4'-DDT CAS-No.: 50-29-3

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

4,4'-DDT CAS-No.: 50-29-3

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

9/14/2012

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **DIELDRIN**

CAS Number: 60-57-1
DOT Number: NA 2761

RTK Substance number: 0683
Date: December 1986 Revision: November 1998

HAZARD SUMMARY

* **Dieldrin** can affect you when breathed in and by passing through your skin.
* **Dieldrin** may damage the developing fetus and may reduce fertility in males and females.
* Contact may cause a skin rash.
* **Dieldrin** may irritate the eyes and affect vision.
* **Dieldrin** can cause nausea, vomiting, loss of appetite, weight loss and weakness.
* Exposure to **Dieldrin** can cause headache, irritability, dizziness and disturbances in sleep.
* Repeated higher exposure can cause tremors, muscle twitching and seizures (convulsions), and may lead to coma and death.
* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* **Dieldrin** may damage the liver.

IDENTIFICATION

Dieldrin is a colorless to light tan solid with a mild odor. It was sprayed as a liquid to control insects and termites. Its use has been restricted by EPA to soil injection for termite control.

REASON FOR CITATION

* **Dieldrin** is on the Hazardous Substance List because it is regulated by OSHA and cited by NIOSH, ACGIH, EPA, and DOT.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020**.**
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.
* **ODOR THRESHOLD = 0.041 ppm**.
* The range of accepted odor threshold values is quite broad. Caution should be used in relying on odor alone as a warning of potentially hazardous exposures.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.25 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.25 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.25 mg/m^3** averaged over an 8-hour workshift.

* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Dieldrin** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Dieldrin** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Dieldrin**:

* Contact may cause a skin rash.
* **Dieldrin** may irritate the eyes and affect vision.
* **Dieldrin** can cause nausea, vomiting, loss of appetite, weight loss and weakness.
* Exposure to **Dieldrin** can cause headache, irritability, dizziness and disturbances in sleep.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Dieldrin** and can last for months or years:

Cancer Hazard

* There is limited evidence that **Dieldrin** causes cancer in animals. It may cause cancer of the liver.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Dieldrin** may damage the developing fetus.
* It may reduce fertility in males and females.
* It concentrates in breast milk, and therefore, may be transferred to breast feeding infants.

Other Long-Term Effects

* Repeated higher exposure can cause tremors, muscle twitching and seizures (convulsions), and may lead to coma and death.
* Convulsions are sometimes delayed and may occur weeks or months after an exposure.
* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* **Dieldrin** may damage the liver.

MEDICAL

Medical Testing

Before beginning employment and at regular times after that, the following are recommended:

* Blood **Dieldrin** level (Norm = less than **1 mg/100 ml**; level should not exceed **15 mg/100 ml**).
* Examination of the nervous system.

If symptoms develop or overexposure has occurred, the following may be useful:

* Liver function tests.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Dieldrin** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Dieldrin** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Dieldrin**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Dieldrin**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Dieldrin**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Dieldrin** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.

* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles when working with solid **Dieldrin**.
* Wear indirect-vent, impact and splash resistant goggles when working with **Dieldrin** in solution.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.
* Contact lenses should not be worn when working with this substance.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* For field applications check with your supervisor and your safety equipment supplier regarding the appropriate respiratory equipment.
* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Dieldrin**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **0.25 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **50 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **50 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?

A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?

A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

Q: Should I be concerned if a chemical is a teratogen in animals?
A: Yes. Although some chemicals may affect humans differently than they affect animals, damage to animals suggests that similar damage can occur in humans.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Disease and Injury Services
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Disease and Injury Services, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **DIELDRIN**
DOT Number: **NA 2761**
NAERG Code: **151**
CAS Number: **60-57-1**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Dieldrin** is a NONCOMBUSTIBLE SOLID. However commercial products may contain **Dieldrin** in solution with flammable or combustible liquids.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Carbon Monoxide*.
* CONTAINERS MAY EXPLODE IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Dieldrin** in solution is spilled or leaked, or **Dieldrin** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill or leak until clean-up is complete.
* Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate area after clean-up is complete.
* It may be necessary to contain and dispose of **Dieldrin** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Dieldrin** you should be trained on its proper handling and storage.
* **Dieldrin** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES and NITRATES); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); CHEMICALLY ACTIVE METALS (such as POTASSIUM, SODIUM, MAGNESIUM and ZINC) and PHENOLS.
* Store in tightly closed containers in a cool, well-ventilated area away from COPPER and IRON and their SALTS.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: $8x10^{-7}$ mm Hg at 77^{o}F (25^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

2,7:3,6-Dimethanonaphth 2,3-B Oxirene, 3,4,5,6,9,9-Hexachloro-1A,2,2A,3,6,6A,7,7A-Octahydro-, (1A alpha, 2 beta, 2A alpha, 3 beta, 6 beta, 6A alpha, 7 beta, 7A alpha)-

Other Names:

HEOD; ALVIT; Quintox; Octalox

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

UNLEADED GASOLINE (ALL GRADES)
MATERIAL SAFETY DATA SHEET

Petrocom Energy Group, LLC
1330 Post Oak Blvd., Suite 2350
Houston, Texas 77056
Phone: 713-418-3000
Fax: 713-418-3001

Revision Date: 03/05/2008

Section 1: Product Identification

Name: Unleaded Gasoline
Synonyms: Regular/Midgrade/Premium Gasoline, Motor Fuel, Reformulated Gasoline, RFG, Conventional Gasoline.
CAS No.: 86290-81-5
MSDS No.: PEG-UNL
Use: Motor fuel

Section 2: Product Composition

Component	CAS Number	Amount (%)
Gasoline	86290-81-5	0 – 100
Benzene	71-43-2	0 – 5
Toluene	108-88-3	0 – 30
Xylene (all isomers)	1330-20-7	0 – 25
Hexane (other isomers)	Mixture	5 – 25
n-Hexane	110-54-3	0 – 3
Cyclohexane	110-82-7	0 – 3
Octanes (all isomers)	Mixture	0 – 20
Heptane (all isomers)	142-82-5	0 – 15
Ethanol	64-17-5	0 – 10
Pentanes (all isomers)	Mixture	0 – 20
Trimethylbenzenes (all isomers)	95-63-6	0 – 5
Ethylbenzene	100-41-4	0 – 5
Cumene	98-82-8	0 – 5
Methyl Tertiary Butyl Ether (MTBE)	1634-04-4	0 – 16
Tertiary Amyl Methyl Ether (TAME)	994-05-8	0 – 6

Section 3: Hazards Identification

Emergency Overview	Hazard Rankings
DANGER! Extremely Flammable liquid and vapor Harmful if swallowed Skin Irritant May cause eye and respiratory irritation Cancer Hazard – Contains material which can cause cancer	**NFPA**

Physical form: Liquid
Appearance: Clear to amber
Odor: Strong, Gasoline

Potential Health Effects

Eyes: Contact with eyes may cause irritation, redness, tearing, stinging, watering and blurred vision.

Skin: Contact with skin may cause irritation, itching, redness and skin damage. Prolonged or repeated contact may cause drying and cracking of the skin, and may also cause dermatitis and inflammation. (See also section 11).

Inhalation: Breathing high concentration can be harmful. Throat and lung irritation may occur. Central nervous system effects including nausea, euphoria, dizziness, headache, fatigue, drowsiness or unconsciousness may occur due to long term or high concentration exposure to vapors.

Ingestion: Toxic if swallowed. This product may cause nausea, vomiting, dizziness, drowsiness, diarrhea if swallowed. Central nervous system effects may be caused. Swallowing this product can result in severe lung damage and/or death.

Signs / Symptoms: When overexposed to this product effects such as nausea, vomiting, blurred vision, respiratory failure, central nervous system depression, unconsciousness, tremor, death may occur.

See toxicological Information (section 11)

Section 4: First Aid Measures

Eye contact: Flush eyes immediately with fresh, cool water for at least 15 minutes. If irritation or redness or any symptoms persist, seek medical attention.

Skin contact: Remove contaminated clothes and shoes. Flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, wash affected area thoroughly with soap and water. If irritation or redness develops, seek medical attention.

Inhalation (Breathing): If inhaled, immediately move person to fresh air. If there is difficulty breathing, give oxygen. If not breathing, immediately give artificial respiration. Seek medical attention.

Ingestion (Swallowing): This product may be harmful or fatal if swallowed. This product may cause nausea, vomiting, diarrhea and restlessness. Do not induce vomiting. Do not give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is unconscious or drowsy, place on the left side with the head down. Seek immediate medical attention.

Notes to Physician: This material sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material.
Inhalation overexposure can produce toxic effects. Monitor respiratory distress. If difficulty in breathing evaluate upper respiratory tract inflammation, bronchitis and pneumonitis. Administer supplemental oxygen as required.
If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Cinsuder activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubtion or by placement of the body in a Trendelenburg and left lateral decubitus position.

Section 5: Fire Fighting Measures

NFPA Hazard Class: Health = 1 ; Flammability = 3 ; Instability = 0
(0 – Minimal ; 1 – Slight ; 2 – Moderate ; 3 – Serious ; 4 – Severe)

Auto – ignition temperature : >260 ˚C (500 ˚F)

Flash point : Closed cup: -43 ˚C (-45 ˚F)

Flammable limits : Lower: approximately 1.4%
Upper: approximately 7.6%

Products of combustion : Carbon monoxide, carbon dioxide, nitrogen and sulfur oxides, smoke, fumes, unburned hydrocarbons and other products of incomplete combustion.

Special properties : Flammable liquid! This material can be ignited by heat, sparks, flames or other sources of ignition. Vapors may travel long distances to a source where they can ignite and flash back, or explode. A mixture of vapor and air can create an explosion hazard in confined spaces. If container is not properly cooled, it can rupture n the heat of a fire.

Extinguishing media : Use of dry chemical, carbon dioxide, or foam is recommended to extinguish fire. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may not extinguish the fire, unless it is used by experienced fire fighters and under favorable conditions.

Protective Equipment for Fire Fighters : Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions: This material is extremely flammable. Eliminate all ignition sources. Keep all hot metal surfaces away from spill/release. All equipment used when handling this material must be grounded.

Spill precautions: Stay upwind and away from spill. Notify persons down wind of the spill, isolate spill area and keep unauthorized personnel out. If it can be done with minimal risk, try to stop spill. Always wear protective equipment, including respiratory protection. Contact emergency personnel.

Environmental precautions: Prevent spilled material from entering sewers, drains, soil, and natural waterways. Use foam or spills to minimize vapors (section 5). Spilled material may be absorbed into an appropriate absorbent material.

Methods for cleaning up: Notify fire authorities and appropriate federal, state and local agencies. Immediate cleanup is recommended.

Section 7: Handling and Storage

Handling: Flammable liquid and vapor. To be used only as a motor fuel. Avoid inhalation of vapors and contact with skin. Wash hands thoroughly after handling this material. Use in a well ventilated area away from all ignition sources. Use product with caution around heat, sparks, static electricity and open flames. Static electricity may ignite vapors and cause fire.

Empty containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks or other ignition sources. The may explode and cause injury and/or death. Empty drums should be completely drained, properly bunged, and returned promptly to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Storage: Store in approved containers only. Keep in tightly closed containers in cool, dry, well ventilated areas. Keep isolated away from heat, sources of ignition and hot metal surfaces.

Section 8: Exposure Controls / Personal Protection

Engineering controls: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below their occupational exposure limits. Eyewash stations and safety showers should be located near the work-station.

Personal Protection

Eye Protection: Keep away from eyes. Safety glasses complying with approved standards should be worn. Chemical type goggles should be worn.

Skin Protection: Keep away from skin. Skin protection should be worn. Chemical resistant, impervious gloves should be worn. Always follow good personal hygiene practices after handling the material.

Respiratory Protection: Approved respiratory equipment must be used if a risk assessment indicates it is necessary. If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn.

General Protection: Use this material in well ventilated areas. Ventilation equipment should be explosion proof also.

Component	Applicable Workplace Exposure Limits
Gasoline	ACGIH – TWA: 300 ppm (8 hours) STEL: 500 ppm (15 minutes)
Benzene	ACGIH – TWA: 0.5 ppm (8 hours) STEL: 2.5 ppm (15 minutes) OSHA – TWA: 1 ppm (8 hours) STEL: 5 ppm (15 minutes)
Toluene	ACGIH – TWA: 20 ppm (8 hours) OSHA – TWA: 200 ppm (8 hours) CEIL: 300 ppm PEAK: 500 ppm (10 minutes)
Xylene (all isomers)	ACGIH – TWA: 100 ppm (8 hours) STEL: 150 ppm (15 minutes) OSHA – TWA: 100 ppm (8 hours)
Hexane (other isomers)	ACGIH – TWA: 500 ppm (8 hours) STEL: 1000 ppm (15 minutes)
n-Hexane	ACGIH – TWA: 50 ppm (8 hours) OSHA – TWA: 500 ppm (8 hours)
Cyclohexane	ACGIH – TWA: 100 ppm (8 hours) OSHA – TWA: 300 ppm (8 hours)
Octanes (all isomers)	ACGIH – TWA: 300 ppm (8 hours) OSHA – TWA: 500 ppm (8 hours)
Heptane (all isomers)	ACGIH – TWA: 400 ppm (8 hours) STEL: 5000 ppm (15 minutes) OSHA – TWA: 500 ppm (8 hours)
Ethanol	ACGIH – TWA: 1000 ppm (8 hours) OSHA – TWA: 1000 ppm (8 hours)
Pentanes (all isomers)	ACGIH – TWA: 600 ppm (8 hours) OSHA – TWA: 1000 ppm (8 hours)
Trimethylbenzenes (all isomers)	ACGIH – TWA: 25 ppm (8 hours)
Ethylbenzene	ACGIH – TWA: 100 ppm (8 hours) STEL: 125 ppm (15 minutes) OSHA – TWA: 100 ppm (8 hours)
Cumene	ACGIH – TWA: 50 ppm (8 hours) OSHA – TWA: 50 ppm (8 hours)
Methyl Tertiary Butyl Ether (MTBE)	ACGIH – TWA: 50 ppm (8 hours)
Tertiary Amyl Methyl Ether (TAME)	ACGIH – TWA: 20 ppm (8 hours)

Section 9: Physical and Chemical Properties

Physical State:	Liquid.
Color:	Transparent, clear to amber liquid.
Odor:	Strong. Characteristic gasoline odor.
pH:	Not applicable
Boiling Point:	>26 ˚C (>78 ˚F)
Melting Point:	Not applicable.
Specific gravity:	0.66 to 0.75 (Water = 1)
Vapor density:	3 to 4 (Air = 1)
Vapor pressure:	220-450 mm Hg at 20˚C (68˚F) / 6-15 Reid-psia at 37.8˚C (100˚F)
Volatility:	720 – 770 g/l VOC (w/v)
Viscosity (at 40 ˚C):	< 1
Flash Point:	< -45 ˚F / < 43˚C
Bulk Density:	6.0 – 6.4 lbs/gal
Solubility in water:	Negligible

Section 10: Stability and Reactivity

Stability:	Stable. Extremely flammable liquid and vapor. Vapor can cause fire.
Conditions to avoid:	Keep away from heat, flame and all other possible sources of ignition.
Materials to avoid:	Keep away from strong oxidizing agents such as acids, chlorine, hydrogen peroxide and oxygen.
Hazardous decomposition products:	Please refer to the combustion products identified in Section 5 of this MSDS.
Hazardous Polymerization:	Not expected to occur.

Section 11: Toxicological Information

Toxicology Information

Oral toxicity:	Almost non-toxic. LD 50: > 2000 mg/kg (species: rats)
Dermal toxicity:	Almost non-toxic. LD 50: > 2000 mg/kg (species: rabbits)
Inhalation toxicity:	Almost non-toxic. LD 50: > 5 mg/l (species: rats)
Eye irritation:	Almost non-irritating. Draize score: > 6 and < 15 (species: rabbits)
Skin irritation:	Irritant. Primary irritation index: > 3 and < 5 (species: rabbits)
Other data:	Inhalation of high concentrations of vapors or mists may cause respiratory system irritation and damage. It may also result in the damage and depression of the central nervous system and may cause death. Prolonged contact with the material may cause severe skin irritation.
Subchronic toxicity:	Dermal studies resulted in significant irritation but not systematic toxicity (species: rabbits). Inhalation exposures (90 day, approximately 1500 ppm vapor) produced light hydrocarbon nephropathy but no significant systemic toxicity (species: rats).
Neurotoxicity:	Repeated and prolonged exposures to high concentrations of vapor has been reported to result in central nervous system damage and eventually, death. In a study in which ten human volunteers were exposed for 30 minutes to approximately 200, 500 or 1000 ppm concentrations of gasoline vapor, irritation of the eyes was the only significant effect observed, based on both subjective and objective assessments. However, no persistent neurotoxic effects were observed in subchronic inhalation studies of gasoline.
Reproductive toxicity:	An inhalation study with rats exposed to 0, 400 and 1600 ppm of wholly vaporized unleaded gasoline, 6 hours per day on day 6 through 16 of gestation, showed no teratogenic effects nor indication of toxicity to either the mother or the fetus. Another inhalation study in rats exposed to 3000, 6000, or 9000 ppm of gasoline vapor, 6 hours per day on day 6 through 20 of gestation, also showed no teratogenic effects nor indications of toxicity to either the mother or the fetus.
Chronic toxicity:	A lifetime mouse skin painting study of unleaded gasoline applied at 50 microliters, three time weekly, resulted in some severe skin irritation and changes, but no statistically significant increase in skin cancer or cancer to any other organ. Lifetime inhalation of wholly vaporized unleaded gasoline over 2000 ppm has caused increased liver tumors in female mice and increased kidney tumors in male rats. The EPA has concluded that mechanism by which wholly vaporzied unleaded gasoline causes kidney damage is unque to the male rat. The effects in that species (kidney damage and cancer) should not be used in human risk assessment.

Other toxic effects on humans
Extremely hazardous in case of ingestion.
Very hazardous in case of eye contact.
Hazardous in case of skin contact.
Slightly hazardous in case of inhalation.

Carcinogenic effects:
Contains material that may cause cancer depending on the level and duration of exposure.

Target organs:
Contains material that may cause damage to humans organs such as (but not limited to) blood, kidneys, lungs, liver, eye, skin, nervous system and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity:
This material may be toxic to aquatic organisms such as algae and daphnia. It has also shown to be toxic to fish.

Environmental fate:
The material is expected to be readily biodegradable. When released into the environment, some of the constituents of gasoline will volatilize and be photo degraded in the atmosphere. Following spillage, the more volatile components of gasoline will be rapidly lost, with concurrent dissolution of these and other constituents into the water. Factors such as local environmental conditions, photo-oxidation, biodegradation and adsorption onto suspended sediments, can contribute to the weathering of spilled gasoline.

Section 13: Disposal Considerations

Waste disposal:
Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product and any of its by products should always comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
This material would likely be identified as a federally regulated RCRA hazardous waste. See sections 7 and 8 for further information on handling, storage and personal protection. See section 9 for the material's physical and chemical properties.

Section 14: Transportation Information

This material is U.S Department of Transportation (DOT) regulated material.

Shipping name: Gasoline, 3, UN 1203, PG II
Gasohol, 3, NA 1203, PG II (for gasoline blended with less than 20% ethanol).

Hazard class: 3 DOT Class: Flammable liquid

Packing Group: II

UN / NA Number: UN1203 / NA1203

Emergency Response Code: 128

Label:

Section 15: Regulatory Information

TSCA Inventory: This product and/or its components are listed on the Toxic Substances Control Act (TSCA)

SARA 302 / 304: Emergency planning and notification The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for “Extremely Hazardous Substances” listed in 40 CFR 302.4 and CFR 355. No components were identified.

SARA 311 / 312: Hazard identification SARA Title III requires facilities subject to this subpart to submit aggregate information on chemicals by “Hazard Category” as defined in 40 CFR 370.2. This material would be classified under: Fire, Acute (immediate) Health Hazard, Chronic (Delayed) Health Hazard.

CERCLA / SARA 313: Toxic and chemical notification and release reporting

This material contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372

Component	CAS Number	Amount (%)
Benzene	71-43-2	0 – 5
Toluene	108-88-3	0 – 30
Xylene (o, m, p isomers)	1330-20-7	0 – 25
n-Hexane	110-54-3	0 – 3
Cyclohexane	110-82-7	0 – 3
1, 2, 4 Trimethylbenzenes	95-63-6	0 – 5
Ethylbenzene	100-41-4	0 – 5
Cumene	98-82-8	0 – 5
Methyl Tertiary Butyl Ether (MTBE)	1634-04-4	0 – 16

California Proposition 65: This material may contain detectable quantities of the following chemicals known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):
Benzene (CAS NO. 71-43-3)
Toluene (CAS No. 108-88-3)
Ethylbenzene (CAS No. 100-41-4)
Naphthalene (CAS No. 91-20-3)

Canadian Regulations: WHMIS Hazard Class: B2 – Flammable Liquids
D2A – Very Toxic Material

Section 16: Other Information

Issue date: March 5, 2008
Previous issue date: No previous date
Version: 1
MSDS Code: PEG-UNL

Legend:
ACGIH = American Conference of Governmental Industrial Hygienists
CAS = Chemical Abstracts Service Registry
CEIL = Ceiling Limit
CERCLA = The Comprehensive Environmental Response, Compensation and Liability Act
EPA = Environmental Protection Agency
NFPA = National Fire Protection Association
OSHA = Occupational Safety and Health Administration
SARA = Superfund Amendments and Reauthorization Act
STEL = Short Term Exposure Limit (15 minutes)
TWA = Time Weighted Average (8 hours)
WHMIS = Worker Hazardous Materials Information System (Canada)

Disclaimer:
The information presented in this Material Safety Data Sheet (MSDS) d on data believed to be accurate as of the issuance date of this MSDS. No warranty is expressed or implied for the accuracy or completeness of the above provided information. Petrocom Energy Group, LLC does not assume any liability for any damage or injury arising out of product use by others. The end user of the product has the responsibility for evaluating the accuracy of the data, and determining the safety, toxicity and suitability of the product under any conditions.

MSDS SUMMARY SHEET

Manufacturer:
Name: PHILLIPS PETROLEUM COMPANY
Address 1:
Address 2:
Address 3:
CSZ: BARTLESVILLE **State:** OK **Zipcode:** 74004
Emergency phone: (800) 424-9300
Business phone: 800-762-0942

Product:

Ferndale MSDS#: 1354 **Version # :** 6
Manufacturer MSDS#: 0041
Current? : 2002
Name:

NO. 2 DIESEL FUEL

Synonyms:

CARB **Diesel** TF3
CARB **Diesel**
CARB **Diesel** 10%
Diesel Fuel Oil
EPA Low Sulfur **Diesel** Fuel
EPA Low Sulfur **Diesel** Fuel – Dyed
EPA Off Road High Sulfur **Diesel –** Dyed
Fuel Oil No. 2 – CAS # 68476-30-2
No. 2 **Diesel** Fuel Oil
No. 2 Fuel Oil – Non Hiway – Dyed
No. 2 High Sulfur **Diesel** – Dyed
No. 2 Low Sulfur **Diesel** - Dyed
No. 2 Low Sulfur **Diesel** - Undyed
Crude column 3rd IR
Crude column 3rd side cut
Atmospheric tower 3rd side cut
Ultra Low Sulfur **Diesel** No. 2
Finished **Diesel**
DHT Reactor Feed
Straight Run **Diesel**
Diesel
Middle Distillate

Product/Catalog Numbers:
MSDS Date: 01/01/2002 **(received:** 01/14/2002**)**

NFPA codes:
Health: 0 **Flammability:** 2 **Reactivity:** 0

MATERIAL SAFETY DATA SHEET
No. 2 Diesel Fuel

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: No. 2 Diesel Fuel
Product Code: Multiple
SAP Code:
Synonyms: 1354
CARB Diesel TF3
CARB Diesel
CARB Diesel 10%
Diesel Fuel Oil
EPA Low Sulfur Diesel Fuel
EPA Low Sulfur Diesel Fuel – Dyed
EPA Off Road High Sulfur Diesel – Dyed
Fuel Oil No. 2 – CAS # 68476-30-2
No. 2 Diesel Fuel Oil
No. 2 Fuel Oil – Non Hiway – Dyed
No. 2 High Sulfur Diesel – Dyed
No. 2 Low Sulfur Diesel - Dyed
No. 2 Low Sulfur Diesel – Undyed
No. 2 Ultra Low Sulfur Diesel – Dyed
No. 2 Ultra Low Sulfur Diesel - Undyed
Intended Use: Fuel
Chemical Family:
Responsible Party: Phillip's Petroleum Company
Bartlesville, Oklahoma 74004
For Additional MSDSs: 800-762-0942
Technical Information:

The intended use of this product is indicated above. If any additional use is known, please contact us at the Technical Information number listed.

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:
Spill, Leak, Fire or Accident
Call CHEMTREC
North America: (800) 424-9300
Others: (703) 527-3887 (collect)

California Poison Control System: 800-356-3120

Health Hazards/Precautionary Measures: Causes severe skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Wash thoroughly after handling.

Physical Hazards/Precautionary Measures: Flammable liquid and vapor. Keep away from heat, sparks, flames, static electricity or other sources of ignition.

Appearance: Straw-colored to dyed red
Physical Form: Liquid
Odor: Characteristic petroleum

HFPA Hazard Class:
Health: 0 (Least)
Flammability: 2 (Moderate)
Reactivity: 0 (Least)

HMIS Hazard Class
Not Evaluated

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	% VOLUME		EXPOSURE GUIDELINE	
		Limits	Agency	Type
Diesel Fuel No. 2 CAS# 68476-34-6	100	100* mg/m3	ACGIH	TWA-SKIN
Naphthalene CAS# 91-20-3	<1	10ppm	ACGIH	TWA
		15ppm	ACGIH	STEL
		10ppm	OSHA	TWA
		250ppm	NIOSH	IDLH

All components are listed on the TSCA inventory

Tosco Low Sulfur No. 2 Diesel meets the specifications of 40 CFR 60.41 for low sulfur diesel fuel.

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

*Proposed ACGIH (1999)

3. HAZARDS IDENTIFICATION

Potential Health Effects:

Eye: Contact may cause mild eye irritation including stinging, watering, and redness.

Skin: Severe skin irritant. Contact may cause redness, itching, burning, and severe skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation). Not actually toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

Inhalation (Breathing): No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Ingestion (Swallowing): Low degree of toxicity by ingestion. ASPIRATION HAZARD – This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Signs and Symptoms: Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, nausea, diarrhea and transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

Cancer: Possible skin cancer hazard (see Sections 11 and 14).

Target Organs: There is limited evidence from animal studies that overexposure may cause injury to the kidney (see Section 11).

Developmental: Inadequate data available for this material.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders and kidney disorders.

4. FIRST AID MEASURES

Eye: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

Skin: Immediately remove contaminated shoes, clothing, and constrictive jewelry and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek immediate medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek immediate medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): Aspiration hazard; Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: >125°F/>52°
OSHA Flammability Class: Combustible liquid
LEL %: 0.3 / UEL %; 10.0
Autoignition Temperature: 500°F/260°C

Unusual Fire & Explosion Hazards: This material is flammable and can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Use foam on spills to minimize vapors (see Section 5). Spilled material may be absorbed into an appropriate material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharged. The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personal hygiene practices.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing or high pressure hydraulic oil equipment.

“Empty” containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. “Empty” drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSIZ49.1 and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area “No Smoking or Open Flame.” Store only in approved containers. Keep away from incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentration below the established exposure limits (see Section 2), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: A NIOSH certified air purifying respirator with an organic vapor cartridge maybe used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a positive pressure air supplied respirator if there is a potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrants a respirator's use.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation and skin damage (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

Eyes/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse. It is recommended that impervious clothing be worn when skin contact is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1atm).

Appearance: Straw-colored to dyed red
Physical State: Liquid
Odor: Characteristic petroleum
pH: unavailable
Vapor Pressure (mm Hg): 0.40
Vapor Densisty (air=1):>3
Boiling Point/Range: 320-700°F /160-371°C
Freezing/Melting Point: No Data
Solubility in Water: Negligible
Specific Gravity: 0.81-0.88 @ 60°F
Percent Volatile: Negligible
Evaporation Rate (nBuAc=1): <1
Viscosity: 32.6-40.0 SUS @ 100°F
Bulk Density: 7.08 lbs/gal
Flash Point: >125°F / >52°C
Flammable/Expolsive Limits (%): LEL: 0.3 / UEL: 10.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Flammable liquid and vapor. Vapor can cause flash fire.

Conditions To Avoid: Avoid all possible sources of ignition (see Sections 5 and 7).

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Hazardous Decomposition Products: The use of hydrocarbon fuels in an area without adequate ventilation may result in hazardous levels of combustion products (e.g., oxides of carbon, sulfur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels. ACGIH has included a TLV of 0.05 mg/m3 TWA for diesel exhaust particulate on its 1999 Notice of Intended Changes. See Section 11 for additional information on hazards of engine exhaust.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Diesel Fuel No. 2 (CAS# 68476-34-6)

Carcinogenicity: Chronic dermal application of certain middle distillate streams contained in diesel fuel No. 2 resulted in an increased incidence of skin tumors in mice. This material has not been identified as carcinogen by NTP, IARC, or OSHA. Diesel exhaust is a probable cancer hazard based on tests with laboratory animals.

Target Organ(s): Limited evidence of renal impairment has been noted from a few case reports involving excessive exposure to diesel fuel No. 2.

Naphthalene (CAS# 91-20-3)

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has not been identified as a carcinogen by IARC or OSHA.

12. ECOLOGICAL INFORMATION

Not evaluated at this time

13. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, would be a RCRA “characteristic” hazardous waste due to the characteristic(s) of ignitability (D001) and benzene (D018). If the material is spilled to soil or water, characteristic testing of the contaminated materials is recommended. Further, this material, once it becomes a waste, is subject to the land disposal restrictions in 40 CFR 268.40 and may require treatment prior to disposal to meet specific standards. Consult state and local regulations to determine whether they are more stringent then the federal requirements.

Container contents should be completely used and containers should be emptied prior to discard. Container ?insate? could be considered a RCRA hazardous waste and must be disposed of with care and in compliance with federal, state and local regulations. Large empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller containers, consult with state and local regulations and disposal authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: Diesel Fuel, NA1983
Non-Bulk Package Marking: Diesel Fuel, 3, NA 1993, III

15. REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories):

Acute Health:	Yes
Chronic Health:	Yes
Fire Hazard:	Yes
Pressure Hazard:	No
Reactive Hazard:	No

SARA 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Component	CAS Number	Weight %
-- None known --		

California Proposition 65:

Warning: This material contains the following chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Effect
Benzene	Cancer, Developmental and Reproductive Toxicant
Toluene	Developmental Toxicant

Diesel engine exhaust, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

Carcinogen Identification:

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any. Diesel exhaust is a probable cancer hazard based on tests in laboratory animals. It has been identified as carcinogen by IARC.

EPA (CERCLA Reportable Quantity: None

16. OTHER INFORMATION

Issue Date: 01/01/02
Previous Issue Date: 05/15/01
Product Code: Multiple
Revised Sections: None
Previous Product Code: Multiple
MSDS Number: 0041

Disclaimer of Expressed and Implied Warranties:

The information presented in this Material Data Safety Sheet is based on data believed to be accurate as of the date this Material Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THE PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

Tosco Refining Company ***Ferndale Refinery***

UltraLow Sulfur Diesel Product Specification

Ferndale Product Code:34380xx (5) Product Code: ULSD2

(COMETS)

Specification	Unit	Limit	Test Procedure	Typical
Appearance				
Water & Sediment	Vol %	0.05 Max	D 2709	
Color	Number	3.0 Max	D 1500	
Haze Rating	Rating	2 Max	D 4176	
Composition				
Carbon Residue (Ramsbottom)	Wt %	0.35 Max	D 524, D 189	
Volatility				
90% Recovered	Deg; F	540 Min	D 86	
	Deg; F	640 Min	D 86	
Flash Point	Deg; F	125 Min (1)	D 93	130 F
Gravity	API	30 Min	D 287, D4052	
Fluidity				
Pour Point	Deg; F	See Season Table (6)	D 97	
Cloud Point	Deg; F	See Season Table (6)	D 2500	10 F
Viscosity @ 104F	cSt	1.9 Min	D 445	
	cSt	4.1 Max	D 445	
Lubricity, SLBOCLE	grams	3100 Min	D 6078	3300gm
Lubricity, HFRR	mm	.45	D 6079	
Combustion				
Cetane Index or Cetane Number (3,4)	Number	40.0 Min	D 976, D613	47.0
Corrosion				
Copper Strip, 3hr @ 50 deg C	Number	3 Max (2)	D 130	
Aromatics (4)	Vol %	35 Max	D 1319	25 %
Contaminants				
Total Sulfur	PPM	30 Max	D 2622, D4294	15-20ppm
Water & Sediment	Vol %	0.05 Max	D 1796	
Ash	Wt %	0.01 Max	D 482	
Additives				
Cetane Improver	Lb/MBbl	675 Max		
Dye		Undyed		

1. Minimum release specification is 125 deg. F. The refinery should target 135 deg. F.
2. Test result reported as a number and letter (e.g. 1a). Any letter is allowable as long as the number meets the spec shown.
3. Either specification must be met.
4. Either cetane index minimum or aromatics maximum must be met.
5. Winter cloud and pour specifications may be relaxed to the summer specifications by agreement with the customer.
6. Season Table

Month	Product Code	Pour Point	Cloud Point
Jan, Feb, Nov, Dec	WI	0 max (5)	14 max (5)
Mar - Oct	SU	15 max	24 max

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Havoline® Motor Oil (Deposit Shield)

Product Use: Engine Oil
Product Number(s): CPS223391, CPS223392, CPS223393, CPS223394, CPS223395, CPS223396, CPS223397
Synonyms: Havoline® Motor Oil SAE 10W-30, Havoline® Motor Oil SAE 10W-40, Havoline® Motor Oil SAE 20W-50, Havoline® Motor Oil SAE 30, Havoline® Motor Oil SAE 40, Havoline® Motor Oil SAE 5W-20, Havoline® Motor Oil SAE 5W-30
Company Identification
Chevron Products Company
Global Lubricants
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
email : lubemsds@chevrontexaco.com
Product Information: 800-LUBE-TEK
MSDS Requests: 800-414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	70 - 95 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS
Eye: Not expected to cause prolonged or significant eye irritation.
Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
Ingestion: Not expected to be harmful if swallowed.
Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.
Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:
Flashpoint: (Cleveland Open Cup) 200 °C (392 °F) (Min)
Autoignition: No Data Available
Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.
Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Keep out of the reach of children.
General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.
Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:
Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.
Respiratory Protection: No respiratory protection is normally required.
If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.
Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.
Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m3	--	--	--

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Amber
Physical State: Liquid
Odor: Petroleum odor
pH: Not Applicable
Vapor Pressure: <0.01 mmHg @ 100 °C (212 °F)
Vapor Density (Air = 1): >1
Boiling Point: >315°C (599°F)
Solubility: Soluble in hydrocarbons; insoluble in water
Freezing Point: Not Applicable
Specific Gravity: 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F) (Typical)
Density: 0.866 kg/l @ 15°C (59°F) (Typical)
Viscosity: 7.6 mm2/s @ 100°C (212°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS
Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.
Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.
Skin Sensitization: The skin sensitization hazard is based on evaluation of data for similar materials or product components.
Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.
Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.
Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen

with unknown relevance to humans (A3).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
This material is not expected to be harmful to aquatic organisms.

ENVIRONMENTAL FATE
This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR
Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES:

1.	Immediate (Acute) Health Effects:	NO
2.	Delayed (Chronic) Health Effects:	NO
3.	Fire Hazard:	NO
4.	Sudden Release of Pressure Hazard:	NO
5.	Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK

02=NTP Carcinogen 06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components has been notified but may not be listed in the following chemical inventories: DSL (Canada). Secondary notification by the importer may be required.

One or more components does not comply with the following chemical inventory requirements: AICS (Australia), ENCS (Japan).

NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Motor oil)

WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:
Label Category : ENGINE OIL 1 - ENG1

REVISION STATEMENT: This is a new Material Safety Data Sheet.
Revision Date: October 02, 2006

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

For the following RAE Part Numbers:

600-0001-000, 600-0002-000

600-0002-001, 600-0026-000

600-0027-000, 600-0069-000

AIR LIQUIDE

MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

1. PRODUCT IDENTIFICATION

CHEMICAL NAME; CLASS: NONFLAMMABLE GAS MIXTURE

Containing One or More of the Following Components in a Nitrogen Balance Gas: Oxygen 0-23.5%; Isobutylene, 0.0005-0.9%

SYNONYMS: Not Applicable
CHEMICAL FAMILY NAME: Not Applicable
FORMULA: Not Applicable
Document Number: 50054

Note: The Material Safety Data Sheet is for this gas mixture supplied in cylinders with 33 cubic feet (935 liters) or less gas capacity (DOT - 39 cylinders). This MSDS has been developed for various gas mixtures with the composition of components within the ranges listed in Section 2 (Composition and Information on Ingredients). Refer to the product label for information on the actual composition of the product.

PRODUCT USE:	Calibration of Monitoring and Research Equipment
SUPPLIER/MANUFACTURER'S NAME:	CALGAZ
ADDRESS:	821 Chesapeake Drive Cambridge, MD 21613
EMERGENCY PHONE:	CHEMTREC: 1-800-424-9300
BUSINESS PHONE:	1-410-228-6400
General MSDS Information:	1-713/868-0440
Fax on Demand:	1-800/231-1366

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	mole %	EXPOSURE LIMITS IN AIR					
			ACGIH-TLV		OSHA-PEL		NIOSH	OTHER
			TWA ppm	STEL ppm	TWA ppm	STEL ppm	IDLH ppm	ppm
Isobutylene	115-11-7	0.0005-0.9%	There are no specific exposure limits for Isobutylene.					
Oxygen	7782-44-7	0-23.5%	There are no specific exposure limits for Oxygen.					
Nitrogen	7727-37-9	Balance	There are no specific exposure limits for Nitrogen. Nitrogen is a simple asphyxiant (SA). Oxygen levels should be maintained above 19.5%.					

NE = Not Established. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This gas mixture has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This is a colorless, odorless gas mixture. Releases of this gas mixture may produce oxygen-deficient atmospheres (especially in confined spaces or other poorly-ventilated environments); individuals in such atmospheres may be asphyxiated. Isobutylene, a component of this gas mixture, may cause drowsiness and other central nervous system effects in high concentrations; however, due to its low concentration in this gas mixture, this is unlikely to occur.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of over-exposure for this gas mixture is by inhalation.

INHALATION: Due to the small size of an individual cylinder of this gas mixture, no unusual health effects from over-exposure to the product are anticipated under routine circumstances of use. The chief health hazard associated with this gas mixture is when this gas mixture contains less than 19.5% Oxygen and is released in a small, poorly-ventilated area (i.e. an enclosed or confined space). Under this circumstance, an oxygen-deficient environment may occur. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The effects associated with various levels of oxygen are as follows:

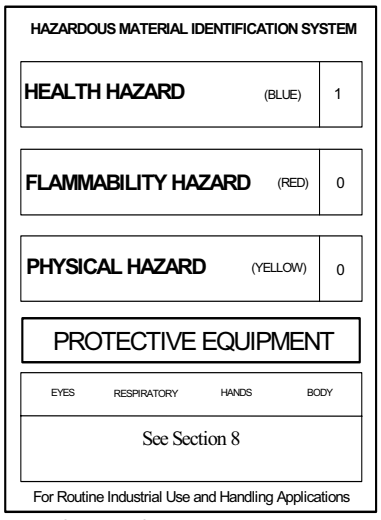
CONCENTRATION OF OXYGEN	OBSERVED EFFECT
12-16% Oxygen:	Breathing and pulse rate increase, muscular coordination slightly disturbed.
10-14% Oxygen:	Emotional upset, abnormal fatigue, disturbed respiration.
6-10% Oxygen:	Nausea, vomiting, collapse, or loss of consciousness.
Below 6%:	Convulsive movements, possible respiratory collapse, and death.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms. Over-exposure to this gas mixture may cause the following health effects:

ACUTE: Due to the small size of the individual cylinder of this gas mixture, no unusual health effects from exposure to the product are anticipated under routine circumstances of use. The most significant hazard associated with this gas mixture when it contains less than 19.5% oxygen is the potential for exposure to oxygen-deficient atmospheres. Symptoms of oxygen deficiency include respiratory difficulty, ringing in ears, headaches, shortness of breath, wheezing, headache, dizziness, indigestion, nausea, unconsciousness, and death. The skin of a victim of over-exposure may have a blue color. Additionally, Isobutylene, a component of this gas mixture, may cause drowsiness or central nervous system effects in high concentrations; however, due to its low concentration in this gas mixture, this is unlikely to occur.

CHRONIC: Chronic exposure to oxygen-deficient atmospheres (below 18% oxygen in air) may affect the heart and nervous system.

TARGET ORGANS: ACUTE: Respiratory system, eyes. CHRONIC: Heart, cardiovascular system, central nervous system.



4. FIRST-AID MEASURES

RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO THIS GAS MIXTURE WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus must be worn.

No unusual health effects are anticipated after exposure to this gas mixture, due to the small cylinder size. If any adverse symptom develops after over-exposure to this gas mixture, remove victim(s) to fresh air as quickly as possible. Only trained personnel should administer supplemental oxygen and/or cardio-pulmonary resuscitation if necessary. Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Take a copy of the label and the MSDS to physician or other health professional with victim(s).

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Acute or chronic respiratory conditions may be aggravated by over-exposure to this gas mixture.

RECOMMENDATIONS TO PHYSICIANS: Administer oxygen, if necessary; treat symptoms and eliminate exposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): Not applicable.
Upper (UEL): Not applicable.

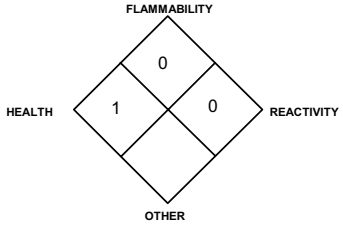
FIRE EXTINGUISHING MATERIALS: Non-flammable gas mixture. Use extinguishing media appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This gas mixture is not flammable; however, containers, when involved in fire, may rupture or burst in the heat of the fire.

Explosion Sensitivity to Mechanical Impact: Not sensitive.
Explosion Sensitivity to Static Discharge: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.

NFPA RATING



6. ACCIDENTAL RELEASE MEASURES

LEAK RESPONSE: Due to the small size and content of the cylinder, an accidental release of this gas mixture presents significantly less risk of an oxygen deficient environment and other safety hazards than a similar release from a larger cylinder. However, as with any chemical release, extreme caution must be used during emergency response procedures. In the event of a release in which the atmosphere is unknown, and in which other chemicals are potentially involved, evacuate immediate area. Such releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a leak, clear the affected area, protect people, and respond with trained personnel.

Allow the gas mixture to dissipate. If necessary, monitor the surrounding area (and the original area of the release) for oxygen. Oxygen levels must be above 19.5% before non-emergency personnel are allowed to re-enter area.

If leaking incidentally from the cylinder, contact your supplier.

7. HANDLING and USE

WORK PRACTICES AND HYGIENE PRACTICES: Be aware of any signs of dizziness or fatigue; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to oxygen deficiency. Do not attempt to repair, adjust, or in any other way modify the cylinders containing this gas mixture. If there is a malfunction or another type of operational problem, contact nearest distributor immediately.

STORAGE AND HANDLING PRACTICES: Cylinders should be firmly secured to prevent falling or being knocked-over. Cylinders must be protected from the environment, and preferably kept at room temperature (approximately 21°C [70°F]). Cylinders should be stored in dry, well-ventilated areas, away from sources of heat, ignition, and direct sunlight. Protect cylinders against physical damage. Full and empty cylinders should be segregated. Use a first-in, first-out inventory system to prevent full containers from being stored for long periods of time. These cylinders are not refillable. **WARNING! Do not refill DOT 39 cylinders. To do so may cause personal injury or property damage.**

SPECIAL PRECAUTIONS FOR HANDLING GAS CYLINDERS: WARNING! Compressed gases can present significant safety hazards. During cylinder use, use equipment designed for these specific cylinders. Ensure all lines and equipment are rated for proper service pressure.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely. Always use product in areas where adequate ventilation is provided.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: No special ventilation systems or engineering controls are needed under normal circumstances of use. As with all chemicals, use this gas mixture in well-ventilated areas. If this gas mixture is used in a poorly-ventilated area, install automatic monitoring equipment to detect the levels of Nitrous Oxide and Oxygen.

RESPIRATORY PROTECTION: No special respiratory protection is required under normal circumstances of use. Maintain oxygen levels above 19.5% in the workplace. Use supplied air respiratory protection when oxygen levels are below 19.5%, or during emergency response to a release of this gas mixture. During an emergency situation, before entering the area, check the concentration of Methane and Oxygen. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Wear leather gloves when handling cylinders. Chemically resistant gloves should be worn when using this gas mixture. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: No special protection is needed under normal circumstances of use. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

The following information is for Nitrogen, a main component of this gas mixture.

GAS DENSITY @ 32°F (0°C) and 1 atm: 0.072 lbs/ ft^3 (1.153 kg/m^3)

BOILING POINT: -195.8°C (-320.4°F)
FREEZING/MELTING POINT @ 10 psig: -210°C (-345.8°F)
SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C): 0.906
pH: Not applicable.
SOLUBILITY IN WATER vol/vol @ 32°F (0°C) and 1 atm: 0.023
MOLECULAR WEIGHT: 28.01
EVAPORATION RATE (nBuAc = 1): Not applicable.
EXPANSION RATIO: Not applicable.
ODOR THRESHOLD: Not applicable.
SPECIFIC VOLUME (ft^3/lb): 13.8
VAPOR PRESSURE @ 70°F (21.1°C) psig: Not applicable.
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.

The following information is for Oxygen, a main component of this gas mixture.

GAS DENSITY @ 32°F (0°C) and 1 atm: 0.083 lb/cu ft (1.326 kg/m^3)

FREEZING/MELTING POINT @ 10 psig: -218.8°C (-361.8°F)
BOILING POINT: -183.0°C (-297.4°F)
SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C): 1.105
pH: Not applicable.
SOLUBILITY IN WATER vol/vol at 32°F (0°C) and 1 atm: 0.04.91
MOLECULAR WEIGHT: 32.00
EVAPORATION RATE (nBuAc = 1): Not applicable.
EXPANSION RATIO: Not applicable.
ODOR THRESHOLD: Not applicable.
VOLUME (ft^3/lb): 12.1
VAPOR PRESSURE @ 70°F (21.1°C) psig: Not applicable.
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.

The following information is for the gas mixture.

APPEARANCE AND COLOR: This is a colorless, odorless gas mixture.

HOW TO DETECT THIS SUBSTANCE (warning properties): There are no unusual warning properties associated with a release of this gas mixture. In terms of leak detection, fittings and joints can be painted with a soap solution to detect leaks, which will be indicated by a bubble formation.

10. STABILITY and REACTIVITY

STABILITY: Normally stable in gaseous state.
DECOMPOSITION PRODUCTS: The thermal decomposition products of Isobutylene include carbon oxides. The other components of this gas mixture do not decompose, per se, but can react with other compounds in the heat of a fire.
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Titanium will burn in the Nitrogen component of this gas mixture. Lithium reacts slowly with Nitrogen at ambient temperatures. The Isobutylene component of this gas mixture is also incompatible with strong oxidizers (i.e. chlorine, bromine pentafluoride, oxygen difluoride, and nitrogen trifluoride).
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with incompatible materials. Cylinders exposed to high temperatures or direct flame can rupture or burst.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: The following toxicology data are available for the components of this gas mixture:
ISOBUTYLENE:
LC_{50} (inhalation, rat) = 620,000 mg/kg/4 hours
LC_{50} (inhalation, mouse) = 415,000 mg/kg
NITROGEN:
There are no specific toxicology data for Nitrogen. Nitrogen is a simple asphyxiant, which acts to displace oxygen in the environment.
SUSPECTED CANCER AGENT: The components of this gas mixture are not found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, and IARC; therefore, they are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
IRRITANCY OF PRODUCT: Contact with rapidly expanding gases can be irritating to exposed skin and eyes.
SENSITIZATION TO THE PRODUCT: The components of this gas mixture are not known to cause human skin or respiratory sensitization.
REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this gas mixture and its components on the human reproductive system.
Mutagenicity: No mutagenicity effects have been described for the components in this gas mixture.
Embryotoxcity: No embryotoxic effects have been described for the components in this gas mixture.
Teratogenicity: No teratogenicity effects have been described for the components in this gas mixture.
Reproductive Toxicity: No reproductive toxicity effects have been described for the components in gas mixture.
A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generation lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.
BIOLOGICAL EXPOSURE INDICES (BEIs): Currently, Biological Exposure Indices (BEIs) are not applicable for the components of this gas mixture.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: The components of this gas mixture occur naturally in the atmosphere. The gas will be dissipated rapidly in well-ventilated areas. The following environmental data are applicable to the components of this gas mixture.
OXYGEN: Water Solubility = 1 volume Oxygen/32 volumes water at 20°C. Log K_{ow} = -0.65
NITROGEN: Water Solubility = 2.4 volumes Nitrogen/100 volumes water at 0°C. 1.6 volumes Nitrogen/100 volumes water at 20°C.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on the effects of this gas mixture on plant and animal life.
EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on the effects of this gas mixture on aquatic life.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Cylinders with undesired residual product may be safely vented outdoors with the proper regulator. For further information, refer to Section 16 (Other Information).

14. TRANSPORTATION INFORMATION

THIS GAS MIXTURE IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Compressed gases, n.o.s. (*Oxygen, Nitrogen)*or the gas component with the next highest concentration next to Nitrogen.
HAZARD CLASS NUMBER and DESCRIPTION: 2.2 (Non-Flammable Gas)
UN IDENTIFICATION NUMBER: UN 1956
PACKING GROUP: Not applicable.
DOT LABEL(S) REQUIRED: Class 2.2 (Non-Flammable Gas)
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): 126
MARINE POLLUTANT: The components of this gas mixture are not classified by the DOT as Marine Pollutants (as defined by 49 CFR 172.101, Appendix B).
SPECIAL SHIPPING INFORMATION: Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation.
Note: DOT 39 Cylinders ship in a strong outer carton (overpack). Pertinent shipping information goes on the outside of the overpack. DOT 39 Cylinders do not have transportation information on the cylinder itself.
TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This gas is considered as Dangerous Goods, per regulations of Transport Canada.
PROPER SHIPPING NAME: Compressed gases, n.o.s. (*Oxygen, Nitrogen)*or the gas component with the next highest concentration next to Nitrogen.
HAZARD CLASS NUMBER and DESCRIPTION: 2.2 (Non-Flammable Gas)
UN IDENTIFICATION NUMBER: UN 1956
PACKING GROUP: Not Applicable
HAZARD LABEL: Class 2.2 (Non-Flammable Gas)
SPECIAL PROVISIONS: None
EXPLOSIVE LIMIT AND LIMITED QUANTITY INDEX: 0.12
ERAP INDEX: None
PASSENGER CARRYING SHIP INDEX: None
PASSENGER CARRYING ROAD VEHICLE OR PASSENGER CARRYING RAILWAY VEHICLE INDEX: 75
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): 126
NOTE: Shipment of compressed gas cylinders via Public Passenger Road Vehicle is a violation of Canadian law (Transport Canada Transportation of Dangerous Goods Act, 1992).

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:
U.S. SARA REPORTING REQUIREMENTS: The components of this gas mixture are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this gas mixture. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.
U.S. TSCA INVENTORY STATUS: The components of this gas mixture are listed on the TSCA Inventory.
U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable.
OTHER U.S. FEDERAL REGULATIONS:
- No component of this gas mixture is subject to the requirements of CFR 29 1910.1000 (under the 1989 PELs).
- Isobutylene is subject to the reporting requirements of Section 112(r) of the Clean Air Act. The Threshold Quantity for this gas is 10,000 pounds.
- The regulations of the Process Safety Management of Highly Hazardous Chemicals are not applicable (29 CFR 1910.119).
- This gas mixture does not contain any Class I or Class II ozone depleting chemicals (40 CFR Part 82).

15. REGULATORY INFORMATION (continued)

- Nitrogen and Oxygen are not listed as Regulated Substances, per 40 CFR, Part 68, of the Risk Management for Chemical Releases. Isobutylene is listed under this regulation in Table 3 as Regulated Substances (Flammable Substances), in quantities of 10,000 lbs (4,554 kg) or greater.

U.S. STATE REGULATORY INFORMATION: The components of this gas mixture are covered under the following specific State regulations:

Alaska - Designated Toxic and Hazardous Substances: No.
California - Permissible Exposure Limits for Chemical Contaminants: Nitrogen.
Florida - Substance List: Oxygen, Isobutylene.
Illinois - Toxic Substance List: No.
Kansas - Section 302/313 List: No.
Massachusetts - Substance List: Oxygen, Isobutylene.
Michigan - Critical Materials Register: No.
Minnesota - List of Hazardous Substances: No.
Missouri - Employer Information/Toxic Substance List: No.
New Jersey - Right to Know Hazardous Substance List: Oxygen, Nitrogen, Isobutylene.
North Dakota - List of Hazardous Chemicals, Reportable Quantities: No.
Pennsylvania - Hazardous Substance List: Oxygen, Nitrogen, Isobutylene.
Rhode Island - Hazardous Substance List: Oxygen, Nitrogen.
Texas - Hazardous Substance List: No.
West Virginia - Hazardous Substance List: No.
Wisconsin - Toxic and Hazardous Substances: : No.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No component of this gas mixture is on the California Proposition 65 lists.

ADDITIONAL CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: The components of this gas mixture are listed on the DSL Inventory.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: The components of this gas mixture are not on the CEPA Priorities Substances Lists.
CANADIAN WHMIS REGULATIONS: This gas mixture is categorized as a Controlled Product, Hazard Class A, as per the Controlled Product Regulations.

16. OTHER INFORMATION

INFORMATION ABOUT DOT-39 NRC (Non-Refillable Cylinder) PRODUCTS

DOT 39 cylinders ship as hazardous materials when full. Once the cylinders are relieved of pressure (empty) they are not considered hazardous material or waste. Residual gas in this type of cylinder is not an issue because toxic gas mixtures are prohibited. Calibration gas mixtures typically packaged in these cylinders are Nonflammable n.o.s., UN 1956. A small percentage of calibration gases packaged in DOT 39 cylinders are flammable or oxidizing gas mixtures.

For disposal of used DOT-39 cylinders, it is acceptable to place them in a landfill if local laws permit. Their disposal is no different than that employed with other DOT containers such as spray paint cans, household aerosols, or disposable cylinders of propane (for camping, torch etc.). When feasible, we recommended recycling for scrap metal content. CALGAZ will do this for any customer that wishes to return cylinders to us prepaid. All that is required is a phone call to make arrangements so we may anticipate arrival. Scrapping cylinders involves some preparation before the metal dealer may accept them. We perform this operation as a service to valued customers who want to participate.

MIXTURES: When two or more gases or liquefied gases are mixed, their hazardous properties may combine to create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an Industrial Hygienist or other trained person when you make your safety evaluation of the end product. Remember, gases and liquids have properties which can cause serious injury or death.

Further information about the handling of compressed gases can be found in the following pamphlets published by: Compressed Gas Association Inc. (CGA), 1725 Jefferson Davis Highway, Suite 1004, Arlington, VA 22202-4102. Telephone: (703) 412-0900.

P-1 *"Safe Handling of Compressed Gases in Containers"*
AV-1 *"Safe Handling and Storage of Compressed Gases"*
"Handbook of Compressed Gases"

PREPARED BY:
CHEMICAL SAFETY ASSOCIATES, Inc.
PO Box 3519, La Mesa, CA 91944-3519
619/670-0609
Fax on Demand: 1-800/231-1366

AIR LIQUIDE

This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this gas mixture. To the best of CALGAZ knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

BOC GASES

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AIR, COMPRESSED

1. Chemical Product and Company Identification

BOC Gases,
Division of
The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, NJ 07974

TELEPHONE NUMBER: (908) 464-8100
24-HOUR EMERGENCY TELEPHONE NUMBER:
CHEMTREC (800) 424-9300

BOC Gases
Division of
BOC Canada Limited
5975 Falbourne Street, Unit 2
Mississauga, Ontario L5R 3W6

TELEPHONE NUMBER: (905) 501-1700
24-HOUR EMERGENCY TELEPHONE NUMBER:
(905) 501-0802
EMERGENCY RESPONSE PLAN NO: 20101

PRODUCT NAME: AIR, COMPRESSED **or** COMPRESSED OXYGEN AND NITROGEN MIXTURE
CHEMICAL NAME: Oxygen and Nitrogen Mixture
COMMON NAMES/SYNONYMS: Compressed Oxygen and Nitrogen Mixture
TDG (Canada) CLASSIFICATION: 2.2 (5.1)
WHMIS CLASSIFICATION: A, C

PREPARED BY: Loss Control (908)464-8100/(905)501-1700
PREPARATION DATE: 6/1/95
REVIEW DATES: 6/7/96

2. Composition, Information on Ingredients

INGREDIENT	% VOLUME	PEL-OSHA[1]	TLV-ACGIH[2]	LD_{50} or LC_{50} Route/Species
Nitrogen FORMULA: N_2 CAS: 7727-37-9 RTECS #: QW9700000	2.0 to 98.0	Simple Asphyxiant	Simple Asphyxiant	Not Available
Oxygen FORMULA: O_2 CAS: 7782-44-7 RTECS #: RS2060000	2.0 to 98.0	Not Available	Not Available	Not Available

[1] As stated in 29 CFR 1910, Subpart Z (revised July 1, 1993)
[2] As stated in the ACGIH 1994-95 Threshold Limit Values for Chemical Substances and Physical Agents

3. Hazards Identification

EMERGENCY OVERVIEW

Mixtures with less than 19.5% oxygen act as an asphyxiant. Effects may include headaches, dizziness and loss of consciousness. High oxygen concentrations may promote combustion of flammable materials.

ROUTE OF ENTRY:

Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
No	No	No	Yes	No

HEALTH EFFECTS:

Exposure Limits	Irritant	Sensitization
No	No	No
Teratogen	Reproductive Hazard	Mutagen
No	No	Yes
Synergistic Effects None Reported		

Carcinogenicity: -- NTP: No IARC: No OSHA: No

EYE EFFECTS:
None known.

SKIN EFFECTS:
None known.

INGESTION EFFECTS:
None known.

INHALATION EFFECTS:
Air is nontoxic and necessary to support life. Mixtures with less than 19.5% oxygen act as an asphyxiant. Effects may include headaches, dizziness and loss of consciousness.

Not to be used as breathing air!

NFPA HAZARD CODES	HMIS HAZARD CODES	RATINGS SYSTEM
Health: 0	Health: 0	0 = No Hazard
Flammability: 0	Flammability: 0	1 = Slight Hazard
Reactivity: 0	Reactivity: 0	2 = Moderate Hazard
		3 = Serious Hazard
		4 = Severe Hazard

4. First Aid Measures

EYES:
None required.

SKIN:
None required.

INGESTION:
None required.

INHALATION:
Not to be used as breathing air!

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.

Victims should be assisted toa an uncontaminated area and inhale fresh air. Quick removal from the contaminated is most important. Unconscious persons should be moved to an uncontaminated area. If they are not breathing, administer artificial resusitation. Further treatment should be symptomatic and supportive.

5. Fire Fighting Measures

Conditions of Flammability: Oxidizer		
Flash point: None	Method: Not Applicable	Autoignition Temperature: None
LEL(%): None	UEL(%): None	
Hazardous combustion products: None		
Sensitivity to mechanical shock: None		
Sensitivity to static discharge: None		

FIRE AND EXPLOSION HAZARDS:
High oxygen concentrations vigorously accelerate combustion.

EXTINGUISHING MEDIA:
Water spray to keep cylinders cool.

FIRE FIGHTING INSTRUCTIONS:
If possible, stop the flow of gas which is supporting the fire.

6. Accidental Release Measures

Evacuate all personnel from affected area. Use appropriate protective equipment. If leak is in user's equipment, be certain to purge piping with inert gas prior to attempting repairs. If leak is in container or container valve, contact the appropriate emergency telephone number listed in Section 1 or call your closest BOC location.

7. Handling and Storage

Electrical classification:
Nonhazardous.

Dry air is noncorrosive and may be used with all materials of construction. Moisture causes metal oxides which are formed with air to be hydrated so that they include volume and lose their protective role (rust formation). Concentrations of SO_2, Cl_2, salt, etc. in the moisture enhances the rusting of metals in air.

Oxygen should not be used as a substitute for compressed air in pneumatic equipment since this type of tool generally contains flammable lubricants.

Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when connecting cylinder to lower pressure (<3000 psig) piping or systems. Do not heat cylinder by

any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the system.

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130°F (54°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "NO SMOKING OR OPEN FLAMES" signs in the storage area or use area. There should be no sources of ignition in the storage or use area.

For additional storage recommendations, consult Compressed Gas Association Pamphlets P-1, G-7, and G-7.1.

Never carry a compressed gas cylinder or a container of a gas in cryogenic liquid form in an enclosed space such as a car trunk, van or station wagon. A leak can result in a fire, explosion, asphyxiation or a toxic exposure.

8. Exposure Controls, Personal Protection

EXPOSURE LIMITS[1]:

INGREDIENT	% VOLUME	PEL-OSHA[2]	TLV-ACGIH[3]	LD_{50} or LC_{50} Route/Species
Nitrogen FORMULA: N_2 CAS: 7727-37-9 RTECS #: QW9700000	2.0 to 98.0	Simple Asphyxiant	Simple Asphyxiant	Not Available
Oxygen FORMULA: O_2 CAS: 7782-44-7 RTECS #: RS2060000	2.0 to 98.0	Not Available	Not Available	Not Available]

[1] Refer to individual state of provincial regulations, as applicable, for limits which may be more stringent than those listed here.
[2] As stated in 29 CFR 1910, Subpart Z (revised July 1, 1993)
[3] As stated in the ACGIH 1994-1995 Threshold Limit Values for Chemical Substances and Physical Agents.

EYE/FACE PROTECTION:
Safety goggles or glasses.

SKIN PROTECTION:
Protective gloves made of any suitable material.

OTHER/GENERAL PROTECTION:
Safety shoes, safety shower.

9. Physical and Chemical Properties

PARAMETER	VALUE	UNITS
Physical state (gas, liquid, solid)	: Gas	
Vapor pressure	: Above critical temp.	psia
Vapor density at STP (Air = 1)	: 1.0	
Evaporation point	: Not Available	
Boiling point	: -317.8	^{o}F
	: -194	^{o}C
Freezing point	: Not Available	
	: Not Available	
pH	: Not Available	
Specific gravity	: Not Available	
Oil/water partition coefficient	: Not Available	
Solubility (H20)	: Slightly soluble	
Odor threshold	: Not Applicable	
Odor and appearance	: Odorless; Colorless Gas	

10. Stability and Reactivity

STABILITY:
Stable

INCOMPATIBLE MATERIALS:
All flammable materials.

HAZARDOUS DECOMPOSITION PRODUCTS:
None

HAZARDOUS POLYMERIZATION:
Will not occur.

11. Toxicological Information

REPRODUCTIVE:
Oxygen deficiency during pregnancy has produced developmental abnormalities in humans and experimental animals.

MUTAGENIC:
Oxygen concentrations between 20 to 95% have produced genetic changes in mammalian cell assay test systems.

OTHER:
High pressure effects (greater than two atmospheres of oxygen) are on the central nervous system. Improper decompression results in the accumulation of nitrogen in the blood.

NOTE: Compressed air is not intended for breathing use, since its oxygen contents may be below that which supports life.

12. Ecological Information

No data given.

13. Disposal Considerations

Do not attempt to dispose of residual waste or unused quantities. Return in the shipping container PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to BOC Gases or authorized distributor for proper disposal.

14. Transport Information *

Parameter	United States DOT	Canada TDG
PROPER SHIPPING NAME:	Air, Compressed Compressed gases, n.o.s. (Oxygen, Nitrogen)/ Compressed gases, oxidizing, n.o.s. (Oxygen, Nitrogen)	Air, Compressed Compressed gases, n.o.s. (Oxygen, Nitrogen)/ Compressed gases, oxidizing, n.o.s. (Oxygen, Nitrogen)
HAZARD CLASS:	2.2	2.2 (5.1)
DOT ID NUMBER:	UN 1002 UN 1956 UN 3156	UN 1002 UN 1956 UN 3156
SHIPPING LABEL:	NONFLAMMABLE GAS NONFLAMMABLE GAS NONFLAMMABLE GAS, OXIDIZER	NONFLAMMABLE GAS NONFLAMMABLE GAS NONFLAMMABLE GAS, OXIDIZER

* Transport information is dependent on oxygen concentration. At concentrations greater than 22.5% oxygen, this product is classified as Compressed gases, oxidizing, n.o.s. At oxygen concentrations less than or equal to 22.5%, this product is classified as compressed gases, n.o.s.

15. Regulatory Information

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - HAZARD CLASSES:
Sudden Release of Pressure Hazard

16. Other Information

Compressed gas cylinders shall not be refilled without the express written permission of the owner. Shipment of a compressed gas cylinder which has not been filled by the owner or with his/her (written) consent is a violation of transportation regulations.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:
Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

ATTACHMENT D

Standard Safe Work Practices

1) Eating, drinking, chewing tobacco, smoking and carrying matches or lighters is prohibited in a contaminated or potentially contaminated area or where the possibility for the transfer of contamination exists.

2) Avoid contact with potentially contaminated substances. Do not walk through puddles, pools, mud, etc. Avoid, whenever possible, kneeling on the ground, leaning or sitting on equipment or ground. Do not place monitoring equipment on potentially contaminated surfaces (i.e., ground, etc.).

3) All field crew members should make use of their senses to alert them to potentially dangerous situations in which they should not become involved; i.e., presence of strong and irritating or nauseating odors.

4) Prevent, to the extent possible, spills. In the event that a spillage occurs, contain liquid if possible.

5) Field crew members shall be familiar with the physical characteristics of investigations, including:
   - Communication
   - Hot zone (areas of known or suspected contamination)
   - Site access
   - Nearest water sources

6) All wastes generated during activities on-site should be disposed of as directed by the project manager or his on-site representative.

7) Employees shall follow procedures to avoid at-risk behaviors that could result in an incident.

Appendix H
CAMP

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

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

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

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

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

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

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

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

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

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix I
Quality Assurance Project Plan

Quality Assurance Project Plan

For

27-21 44th Drive, 44-18 Purves Street
Block 268, Lots 4 and 23
Long Island City, Queens County, New York
NYSDEC BCP No. C241164

Prepared For:

Purves Development LLC
42-22 22nd Street
Long Island City, New York 11101

Prepared By:

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August 2014
170281401

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ATTACHMENTS

Attachment A: Resumes

1.0 PROJECT DESCRIPTION

1.1 INTRODUCTION

This Quality Assurance Project Plan (QAPP) is for the 11,815 square feet (±0.28 acres) property at 27-21 44th Drive and 44-18 Purves Street in Long Island City, New York (the Site). The Site entered into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) by Purves Development LLC (the owner), as a Volunteer in July, 2014. BCP Site No. C241164 was assigned to the Site by NYSDEC. Additional Site information and data collected previously by Langan and others is provided in the Remedial Action Work Plan (RAWP).

This QAPP specifies analytical methods to be used to ensure that data from the proposed Remedial Action (RA) at the Site are precise, accurate, representative, comparable, and complete.

1.2 PROJECT OBJECTIVES

The environmental objectives of this RAWP are to achieve a Track 4 cleanup under the New York State Brownfield Cleanup Program which includes the following:

- Excavation as described herein and off-site disposal of soils exceeding Track 4 Restricted-Residential Restricted Use SCOs (set forth in Table 1) and grossly-impacted soil, if encountered. The existing Site structure and concrete surface cover will be demolished to facilitate excavation.
- Removal of USTs, if encountered, and closure of NYSDEC Spill No. 1302045.
- Collection and analysis of documentation soil samples to document residual soil conditions.
- Backfilling of excavated areas to development grade with clean material meeting Restricted-Residential SCOs, recycled concrete aggregate (RCA) or virgin crushed stone.
- Installation of a site-wide vapor barrier under the Site building to protect against VOC vapor intrusion into the Site building.
- Installation of a cellar level ventilation system or SMD system, in areas of the site building that will not be used as a ventilated parking garage and are not in the water table, as a contingency measure to protect against VOC intrusion from off-site sources (Note cellar ventilation system will be consistent with New York City Mechanical Code for a ventilated parking garage)

- Development and implementation of plans for the protection of on-site workers, community, and environment during remediation and construction activities.
- Installation of a composite cover system.
- Implement long-term Institutional Controls in the form of an Environmental Easement that precludes certain uses (e.g., use of groundwater without treatment, farming, etc.) and requires implementation of a Site Management Plan.

These objectives have been established in order to protect public health and the environment for the anticipated mixed-use development at the Site.

1.3 SCOPE OF WORK

Implementation of the Remedial Action will include excavation of targeted fill and soil; documentation sampling; backfilling; installation of vapor barrier and SMD system as required; and installation of site cover system. Disturbed soil will be sampled for laboratory analysis per disposal facility requirements, and visually examined, screened, and characterized for disposal at an approved facility. Clean material will be imported to the site for use as backfill. A dust, odor, and organic vapor control and monitoring plan will be implemented during ground intrusive activities, and Institutional Controls, in the form of a Site Management Plan (SMP) and an Environmental Easement, will be implemented in the long term to restrict the site to restricted residential future use.

1.4 DATA QUALITY OBJECTIVES AND PROCESS

The quality assurance and quality control objectives for all measurement data include:

- **Precision** – an expression of the reproducibility of measurements of the same parameter under a given set of conditions. Field sampling precision will be determined by analyzing coded duplicate samples and analytical precision will be determined by analyzing internal QC duplicates and matrix spike duplicates.
- **Accuracy** – a measure of the degree of agreement of a measured value with the true or expected value of the quantity of concern. Sampling accuracy will be determined through the assessment of the analytical results of field blanks and trip blanks for each sample set. Analytical accuracy will be assessed by examining the percent recoveries of surrogate compounds that are added to each sample (organic analyses only), and the percent recoveries of matrix spike compounds added to selected samples and laboratory blanks.
- **Representativeness** – expresses the degree to which sample data accurately and precisely represent a characteristic of a population, parameter variations at a

sampling point, or an environmental condition. Representativeness will be determined by assessing a number of investigation procedures, including chain of custody, decontamination, and analysis of field blanks and trip blanks.

- **Completeness** – the percentage of measurements made which are judged to be valid. Completeness will be assessed through data validation. The QC objective for completeness is generation of valid data for at least 90 percent of the analyses requested.
- **Comparability** – expresses the degree of confidence with which one data set can be compared to another. The comparability of all data collected for this project will be ensured using several procedures, including standard methods for sampling and analysis, instrument calibrations, using standard reporting units and reporting formats, and data validation.

  Each of the above objectives are discussed in detail in Section 3.

2.0 PROJECT ORGANIZATION

The execution of the RAWP will be overseen by Langan on behalf of Purves Development LLC. Langan will oversee the excavation and off-site disposal of contaminated soil, vapor barrier and SMD system installation, and site cover system installation. Langan will provide on-site field representatives to perform the documentation soil sample collection. If required, Langan will also oversee the remediation of previously unknown hot spots and/or USTs, and perform the data analysis, evaluation and reporting tasks.

The analytical services will be performed by Alpha Analytical Laboratories, Inc. of Mansfield, MA, NYSDOH ELAP certification number 11148. Data validation services will be performed by Emily Strake; resume attached (Attachment A).

Key contacts for this project are as follows:

Purves Development LLC:	Mr. Mark Gold Telephone: (718) 906-2400
Langan Project Manager:	Mr. Joseph Good Telephone: (212) 479-5448
Langan Quality Assurance Officer (QAO):	Mrs. Nicole Rice, PE Telephone: (212) 479-5491
Program Quality Assurance Monitor:	Mr. Paul McMahon Telephone: (212) 479-5451
Data Validator:	Ms. Emily Strake Telephone: (215) 491-6526
Laboratory Representatives:	Alpha Analytical Laboratories, Inc. Kevin Hoogerhyde Telephone: (201) 847-2951

3.0 QUALITY ASSURANCE/QUALITY CONTROL OBJECTIVES FOR MEASUREMENT OF DATA

3.1 INTRODUCTION

The quality assurance and quality control objectives for all measurement data include precision, accuracy, representativeness, completeness, and comparability. These objectives are defined in following subsections. They are formulated to meet the requirements of the United States Environmental Protection Agency (USEPA) SW-846. The analytical methods and their Contract Required Quantification Limits (CRQLs) are given in Section 7.

3.2 PRECISION

Precision is an expression of the reproducibility of measurements of the same parameter under a given set of conditions. Specifically, it is a quantitative measurement of the variability of a group of measurements compared to their average value (USEPA, 1987). Precision is usually stated in terms of standard deviation, but other estimates such as the coefficient of variation (relative standard deviation), range (maximum value minus minimum value), relative range, and relative percent difference (RPD) are common.

For this project, field sampling precision will be determined by analyzing coded duplicate samples (labeled so that the laboratory does not recognize them as duplicates) for the same parameters, and then, during data validation (Section 8), calculating the RPD for duplicate sample results.

Analytical precision will be determined by the laboratory by calculating the RPD for the results of the analysis of internal QC duplicates and matrix spike duplicates. The formula for calculating RPD is as follows:

$$RPD = \frac{|V1 - V2|}{(V1 + V2)/2} \times 100$$

where:

RPD	=	Relative Percent Difference.
V1, V2	=	The two values to be compared.
$\|V1 - V2\|$	=	The absolute value of the difference between the two values.
$(V1 + V2)/2$	=	The average of the two values.

The data quality objectives for analytical precision, calculated as the RPD between duplicate analyses, are presented in Tables 3.1 and 3.2.

TABLE 3.1
QUALITY CONTROL LIMITS FOR WATER SAMPLES

			Laboratory Accuracy and Precision				
Analytical Parameters	**Analytical Method (a)**	**Matrix Spike (MS) Compounds**	**MS/MSD (b) % Recovery**	**MS/MSD RPD l**	**LCS (d) % Recovery**	**Surrogate Compounds**	**Surrogate % Recovery**
VOCs (e)	8260	1,1-Dichloroethane	61-145	-	NA	Toluene-d8	88-110
		Trichloroethene	71-120	-	NA	Bromofluorobenzene	86-115
		Benzene	76-127	-	NA	1,2-Dichloroethane-d4	76-114
		Toluene	76-125	-	NA		
		Chlorobenzene	75-130	-	NA		
SVOCs (f)	8270	Phenol	12-110	-	NA	Nitrobenzene-d5	35-114
		2-Chlorophenol	27-123	-	NA	2-Fluorobiphenyl	43-116
		1,4-Dichlorobenzene	36-97	-	NA	Terphenyl-d14	33-141
		N-Nitroso-di-n-propylamine	41-116	-	NA	Phenol-d5	10-110
		1,2,4-Trichlorobenzene	39-98	-	NA	2-Fluorophenol	21-110
		4-Chloro-3-methylphenol	23-97	-	NA	2,4,6-Tribromophenol	10-123
		Acenaphthene	46-118	-	NA	2-Chlorophenol-d4	33-110 (g)
		4-Nitrophenol	10-80	-	NA	1,2-Dichlorobenzene-d4	16-110 (g)
		2,4-Dinitrotoluene	24-96	-	NA		
		Pentachlorophenol	9-103	-	NA		
		Pyrene	26-127	-	NA		
Inorganics (i)	6010,7470/7471 ,7841,9010, OIA-1677	Inorganic Analyte	75-125 (j)	- (k)	80-120	NA	NA

(a) Analytical Methods: USEPA SW-846, 3rd edition, Revision 1, November 1990; any subsequent revisions shall supersede this information
(b) Matrix Spike/Matrix Spike Duplicate
(c) Relative Percent Difference
(d) Laboratory Control Sample
(e) Target Compound List Volatile Organic Compounds plus library search
(f) Target Compound List Semivolatile Organic Compounds plus library search
(g) Limits are advisory only
(h) Polychlorinated Biphenyls
(i) Target Analyte List Inorganics (metals)
(j) Matrix spike only
(k) Laboratory duplicate RPD
NA - Not Applicable

TABLE 3.2
QUALITY CONTROL LIMITS FOR SOIL SAMPLES

Laboratory Accuracy and Precision

Analytical Parameter	Analytical Method (a)	Matrix Spike (MS) Compounds	MS/MSD (b) % Recovery	MS/MSD RPD (c)	LCS (d) % Recovery	Surrogate Compounds	Surrogate % Recovery
VOCs (e)	8260	1,1-Dichloroethane	59-172	22	NA	Toluene-d8	84-138
		Trichloroethene	62-137	24	NA	Bromofluorobenzene	59-113
		Benzene	66-142	21	NA	1,2-Dichloroethane-d4	70-121
		Toluene	59-139	21	NA		
		Chlorobenzene	60-133	21	NA		
SVOCs (f)	8270	Phenol	26-90	35	NA	Nitrobenzene-d5	23-120
		2-Chlorophenol	25-102	50	NA	2-Fluorobiphenyl	30-115
		1,4-Dichlorobenzene	28-104	27	NA	Terphenyl-d14	18-137
		N-Nitroso-di-n-propylamine	41-126	38	NA	Phenol-d5	24-113
		1,2,4-Trichlorobenzene	38-107	23	NA	2-Fluorophenol	25-121
		4-Chloro-3-methylphenol	26-103	33	NA	2,4,6-Tribromophenol	19-122
		Acenaphthene	31-137	19	NA	2-Chlorophenol-d4	20-130 (g)
		4-Nitrophenol	11-114	50	NA	1,2-Dichlorobenzene-d4	20-130 (g)
		2,4-Dinitrotoluene	28-89	47	NA		
		Pentachlorophenol	17-109	47	NA		
		Pyrene	35-142	36	NA		
Inorganics (i)	6010, 7470/7471, 7841, 9010	Inorganic Analyte	75-125 (j)	20 (k)	80-120	NA	NA
PCBs	8082	PCB (Aroclor 1260)	50-128	50	NA	Tetrachlorometaxylene Decachlorobiphenyl	24-154 25-159

(a) Analytical Methods: USEPA SW-846, 3rd edition, Revision 1, November 1990, any subsequent revisions shall supersede this information
(b) Matrix Spike/Matrix Spike Duplicate
(c) Relative Percent Difference
(d) Laboratory Control Sample
(e) Target Compound List Volatile Organic Compounds
(f) Target Compound List Semivolatile Organic Compounds
(g) Limits are advisory only
(h) Polychlorinated Biphenyls
(i) Target Analyte List Inorganics (metals and cyanide)
(j) Matrix spike only
(k) Laboratory duplicate RPD
NA - Not Applicable

3.3 ACCURACY

Accuracy is a measure of the degree of agreement of a measured value with the true or expected value of the quantity of concern (Taylor, 1987), or the difference between a measured value and the true or accepted reference value. The accuracy of an analytical procedure is best determined by the analysis of a sample containing a known quantity of material, and is expressed as the percent of the known quantity, which is recovered or measured. The recovery of a given analyte is dependent upon the sample matrix, method of analysis, and the specific compound or element being determined. The concentration of the analyte relative to the detection limit of the analytical method is also a major factor in determining the accuracy of the measurement. Concentrations of analytes, which are close to the detection limits are less accurate because they are more affected by such factors as instrument "noise". Higher concentrations will not be as affected by instrument noise or other variables and thus will be more accurate.

Sampling accuracy may be determined through the assessment of the analytical results of field blanks and trip blanks for each sample set. Analytical accuracy is typically assessed by examining the percent recoveries of surrogate compounds that are added to each sample (organic analyses only), and the percent recoveries of matrix spike compounds added to selected samples and laboratory blanks. Additionally, initial and continuing calibrations must be performed and accomplished within the established method control limits to define the instrument accuracy before analytical accuracy can be determined for any sample set.

Accuracy is normally measured as the percent recovery (%R) of a known amount of analyte, called a spike, added to a sample (matrix spike) or to a blank (blank spike). The %R is calculated as follows:

$$\%R = \frac{SSR - SR}{SA} \times 100$$

where:

%R = Percent recovery.

SSR = Spike sample result: concentration of analyte obtained by analyzing the sample with the spike added.

SR = Sample result: the background value, i.e., the concentration of the analyte obtained by analyzing the sample.

SA = Spiked analyte: concentration of the analyte spike added to the sample.

The acceptance limits for accuracy for each parameter are presented in Tables 3.1 and 3.2.

3.4 REPRESENTATIVENESS

Representativeness expresses the degree to which sample data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program (USEPA, 1987). Samples must be representative of the environmental media being sampled. Selection of sample locations and sampling procedures will incorporate consideration of obtaining the most representative sample possible.

Field and laboratory procedures will be performed in such a manner as to ensure, to the degree that is technically possible, that the data derived represents the in-place quality of the material sampled. Every effort will be made to ensure chemical compounds will not be introduced into the sample via sample containers, handling, and analysis. Decontamination of sampling devices and digging equipment will be performed between samples as outlined in the Field Sampling Plan. Analysis of field blanks, trip blanks, and method blanks will also be performed to monitor for potential sample contamination from field and laboratory procedures.

The assessment of representativeness also must consider the degree of heterogeneity in the material from which the samples are collected. Sampling heterogeneity will be evaluated during data validation through the analysis of coded field duplicate samples. The analytical laboratory will also follow acceptable procedures to assure the samples are adequately homogenized prior to taking aliquots for analysis, so the reported results are representative of the sample received.

Chain-of-custody procedures will be followed to document that contamination of samples has not occurred during container preparation, shipment, and sampling. Details of blank, duplicate and Chain-of-custody procedures are presented in Sections 4 and 5.

3.5 COMPLETENESS

Completeness is defined as the percentage of measurements made which are judged to be valid (USEPA, 1987). The QC objective for completeness is generation of valid data for at least 90 percent of the analyses requested. Completeness is defined as follows for all sample measurements:

V

$$\%C = \frac{V}{T} \times 100$$

where:

%C = Percent completeness.

V = Number of measurements judged valid.

T = Total number of measurements.

3.6 COMPARABILITY

Comparability expresses the degree of confidence with which one data set can be compared to another (USEPA, 1987). The comparability of all data collected for this project will be ensured by:

- Using identified standard methods for both sampling and analysis phases of this project;
- Requiring traceability of all analytical standards and/or source materials to the USEPA or National Institute of Standards and Technology (NIST);
- Requiring that all calibrations be verified with an independently prepared standard from a source other than that used for calibration (if applicable);
- Using standard reporting units and reporting formats including the reporting of QC data;
- Performing a complete data validation on a representative fraction of the analytical results, including the use of data qualifiers in all cases where appropriate; and
- Requiring that all validation qualifiers be used any time an analytical result is used for any purpose.

These steps will ensure all future users of either the data or the conclusions drawn from them will be able to judge the comparability of these data and conclusions.

4.0 SAMPLING PROGRAM

4.1 INTRODUCTION

The sampling program for the RAWP will provide data relative to:

- Characterization of soils/waste that must be removed and disposed off-site;
- Documentation of quality of soils that will be left on site; and
- Characterization of backfill to be brought on-site.

This section presents sample nomenclature, sample container preparation procedures, sample preservation procedures, and sample holding times requirements. Sample locations, and the number of environmental and QC samples will be determined per disposal facility requirements. The sampling will be conducted in accordance with the RAWP.

4.2 SAMPLE NOMENCLATURE

The sample nomenclature system has been devised such that the following objectives can be attained:

- Sorting of data by matrix;
- Sorting of data by depth;
- Maintenance of consistency (filed, laboratory, and database sample numbers);
- Accommodation of all project-specific requirements; and
- Accommodation of laboratory sample number length constraints (maximum 20 characters).

4.3 SAMPLE CONTAINER PREPARATION AND SAMPLE PRESERVATION

Sample containers will be properly washed and decontaminated prior to their use by either the analytical laboratory or the container vendor to the specifications required by the USEPA. Copies of the sample container QC analyses will be provided by the laboratory for each container lot used to obtain samples. The containers will be labeled and the appropriate preservatives will be added. The types of containers are shown in Tables 4.1, 4.2.

Samples shall be preserved according to the preservation techniques given in Tables 4.1 and 4.2. Preservatives will be added to the sample bottles by the laboratory prior to

their shipment in sufficient quantities to ensure that proper sample pH is met. Following sample collection, the sample bottles should be placed on ice in the shipping cooler, cooled to 4°C with ice or "blue ice", and delivered to the laboratory within 48 hours of collection. Chain-of-custody procedures are described in Section 7.

4.4 SAMPLE HOLDING TIMES

The sample holding times for organic and inorganic parameters are given in Tables 4.1 and 4.2 and must be in accordance with the NYSDEC ASP requirements. The NYSDEC ASP holding times must be strictly adhered to by the laboratory. Any holding time exceedances must be reported to Langan.

4.5 FIELD QC SAMPLES

To assess field sampling and decontamination performance, two types of "blanks" will be collected and submitted to the laboratory for analyses. In addition, the precision of field sampling procedures will be assessed by collecting coded field duplicates and matrix spike/matrix spike duplicates (MS/MSDs). The blanks will include:

a. Trip Blanks - A trip blank will be prepared before the sample containers are sent by the laboratory. The trip blank will consist of a 40-ml VOA vial containing distilled, deionized water, which accompanies the other water sample bottles into the field and back to the laboratory. A trip blank will be included with each shipment of water samples for Part 375 volatiles analysis. The Trip Blank will be analyzed for volatile organic compounds to assess any contamination from sampling and transport, and internal laboratory procedures.

b. Field Blanks - Field blanks will be taken at a minimum frequency of one per 20 field samples per sample matrix. Field blanks are used to determine the effectiveness of the decontamination procedures for sampling equipment. The field blank will consist of a sample of deionized, distilled water provided by the laboratory that has passed through a decontaminated bailer, tubing or other sampling apparatus. It is usually collected as a last step in the decontamination procedure, prior to taking an environmental sample. The field blank may be analyzed for all or some of the parameters of interest.

The duplicates will include:

a. Coded Field Duplicate - To determine the representativeness of the sampling methods, coded field duplicates will be collected at a minimum frequency of one per 20 field samples. The samples are termed "coded" because they will be labeled in such a manner that the laboratory will not be able to determine

that they are a duplicate sample. This will eliminate any possible bias that could arise.

b. Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples (MS/MSD for organics; MS and laboratory duplicate for inorganics) will be taken at a frequency of one pair per 20 field samples. These samples are used to assess the effect of the sample matrix on the recovery of target compounds or target analytes. The percent recoveries and RPDs are given in Tables 3.1 and 3.2.

TABLE 4.1
WATER SAMPLE CONTAINERIZATION, PRESERVATION, AND HOLDING TIMES

Analysis	Bottle Type	Preservation (a)	Holding Time (b)
Volatile Organic Compounds (VOCs)	2-40 mL glass vial w/ Teflon septum	Cool to 4^{O}C, HCL pH<2	7 days
Semi-volatile Organics Compounds (SVOCs)	1000 mL glass w/ Teflon lined cap	Cool to 4^{O}C	7 days*
Metals	1000 mL plastic bottle	Nitric Acid to pH < 2 Cool to 4^{O}C	6 months, except mercury (28 days)

(a) All samples to be preserved in ice during collection and transport.

(b) Days from validated time of sample receipt (VTSR).

* Continuous liquid-liquid extraction is the required extraction for water samples for SVOCs. Continuous liquid-liquid extraction and concentration of water samples for SVOCs analysis completed within 7 days of VTSR. Extracts of water samples must be analyzed within 40 days of extraction.

TABLE 4.2
SOIL SAMPLE
CONTAINERIZATION, PRESERVATION AND HOLDING TIMES

Analysis	Bottle Type	Preservation [a]	Holding Time [b]
Volatile Organic Compounds (VOCs)	Wide-mouth glass w/ Teflon lined cap	Cool to 4°C	14 days
Other Organic Compounds [c]	Wide-mouth glass w/ Teflon lined cap	Cool to 4°C	14 days*
Metals	Wide-mouth plastic or glass	Cool to 4°C	6 months, except mercury (28 days)
PCBs	Wide-mouth glass w/ Teflon-lined cap	Cool to 4°C	14 days**

(a) All samples to be preserved in ice during collection and transport.
(b) Days from date of sample collection.
(c) Semi-volatile organic compounds or PCBs.

* Soxhlet or sonication procedures for extraction and concentration of soil/waste samples for SVOCs must be completed within 10 days of VTSR. Extracts of soil samples must be analyzed within 40 days of extraction.

** Procedures for extraction and concentration of soil/waste samples for PCBs must be completed within 14 days of VTSR. Extracts of soil samples must be analyzed within 40 days of extraction.

TABLE 4.3
SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR SAMPLES
CONTAINERIZATION PRESENTATION AND HOLDING TIMES

Analysis	Bottle Type	Preservation	Holding Time [a]
Volatile Organic Compounds (VOCs)	6- Liter Summa Canister	None	30 days

(a) Days from date of sample collection.

* Summa canisters will be batch certified by the laboratory.

5.0 SAMPLE TRACKING AND CUSTODY

5.1 INTRODUCTION

This section presents sample custody procedures for both the field and laboratory. Implementation of proper custody procedures for samples generated in the field is the responsibility of field personnel. Both laboratory and field personnel involved in the Chain-of-custody (COC) and transfer of samples will be trained as to the purpose and procedures prior to implementation.

Evidence of sample traceability and integrity is provided by COC procedures. These procedures document the sample traceability from the selection and preparation of the sample containers by the laboratory, to sample collection, to sample shipment, to laboratory receipt and analysis. The sample custody flowchart is shown in Figure 5.1. A sample is considered to be in a person's custody if the sample is:

- In a person's possession;
- Maintained in view after possession is accepted and documented;
- Locked and tagged with Custody Seals so that no one can tamper with it after having been in physical custody; or
- In a secured area which is restricted to authorized personnel.

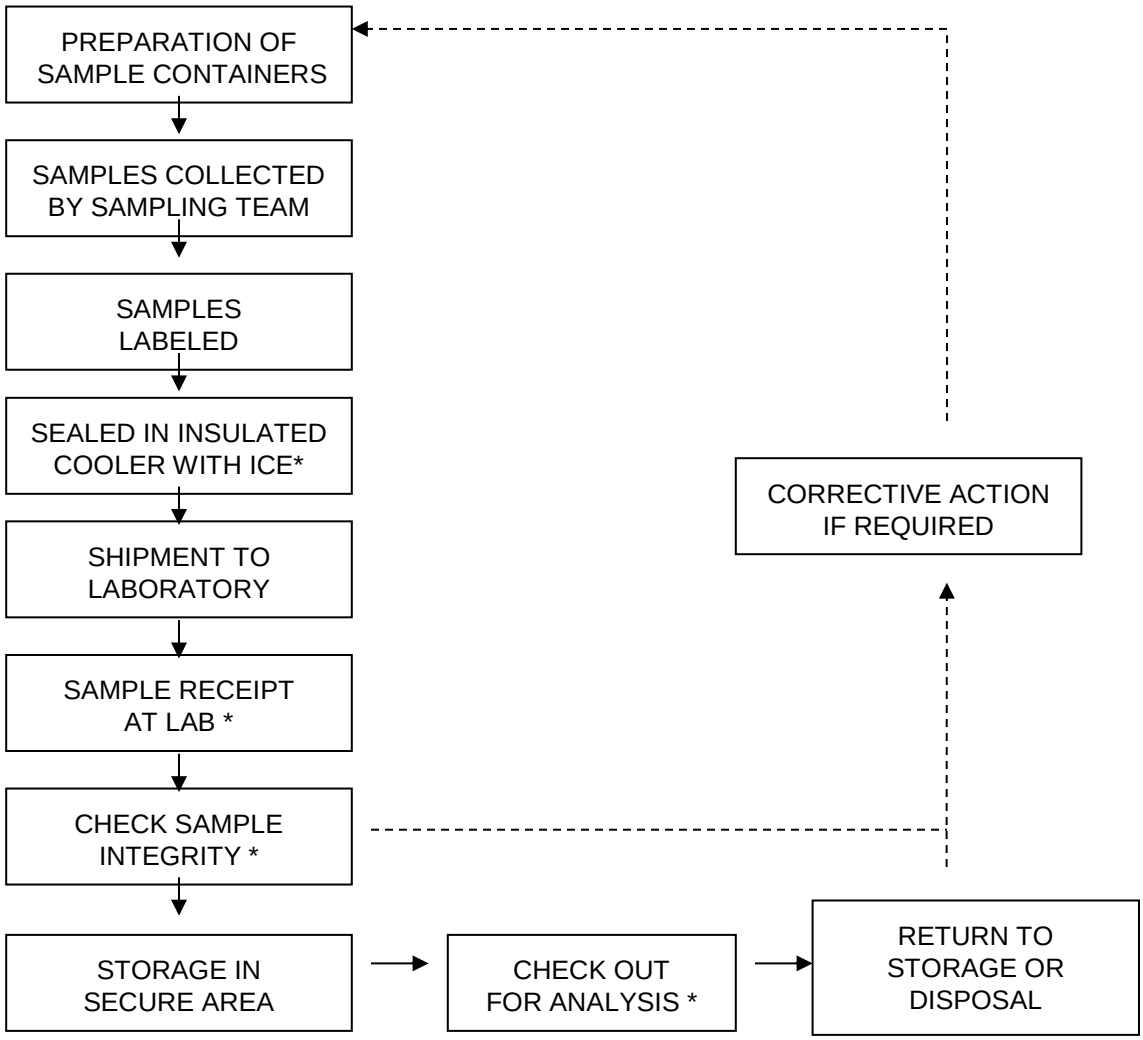
5.2 FIELD SAMPLE CUSTODY

A COC record (Figure 5.2 or similar) accompanies the sample containers from selection and preparation at the laboratory, during shipment to the field for sample containment and preservation, and during return to the laboratory. Triplicate copies of the COC must be completed for each sample set collected.

The COC lists the field personnel responsible for taking samples, the project name and number, the name of the analytical laboratory to which the samples are sent, and the method of sample shipment. The COC also lists a unique description of every sample bottle in the set. If samples are split and sent to different laboratories, a copy of the COC record will be sent with each sample.

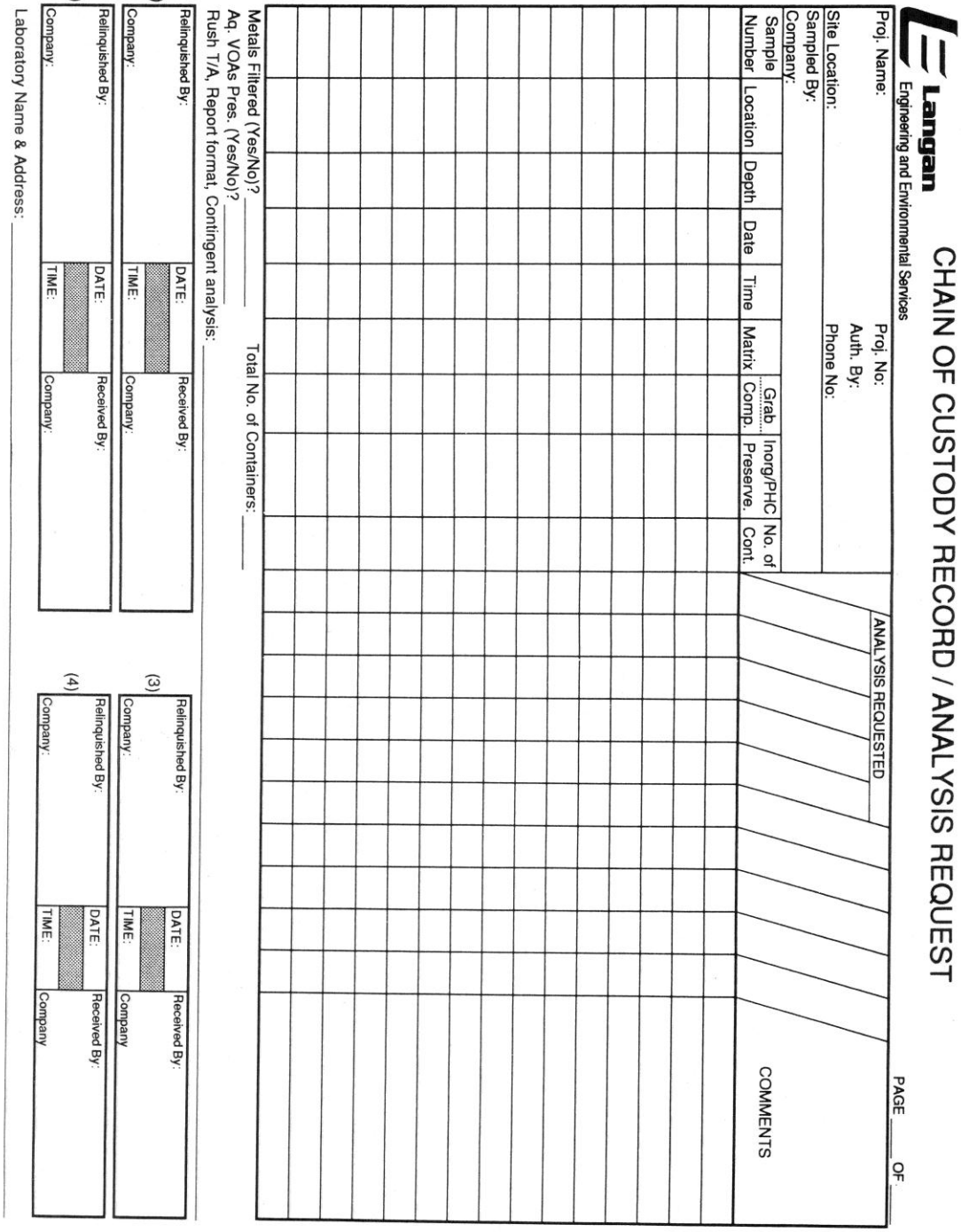
The REMARKS space on the COC is used to indicate if the sample is a matrix spike, matrix spike duplicate, or any other sample information for the laboratory. Since they are not specific to any one sample point, trip and field blanks are indicated on separate rows. Once all bottles are properly accounted for on the form, a sampler will write his or her signature and the date and time on the first RELINQUISHED BY space. The sampler will also write the method of shipment, the shipping cooler identification number, and the shipper airbill number on the top of the COC.

Figure 5.1 Sample Custody



* REQUIRES SIGN-OFF ON CHAIN-OF-CUSTODY FORM

Figure 5.2 Sample Chain-of-Custody Form



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Engineering and Environmental Services

CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST

PAGE ____ OF ____

Proj. Name:
Proj. No:
Auth. By:
Site Location:
Phone No:
Sampled By:
Company:

Sample Number	Location	Depth	Date	Time	Matrix	Grab / Comp.	Inorg/PHC Preserve.	No. of Cont.

ANALYSIS REQUESTED

COMMENTS

Metals Filtered (Yes/No)? _____ Total No. of Containers: ____
Aq. VOAs Pres. (Yes/No)? _____
Rush T/A, Report format, Contingent analysis: _____

(1) Relinquished By: DATE: Received By:
Company: TIME: Company:

(2) Relinquished By: DATE: Received By:
Company: TIME: Company:

(3) Relinquished By: DATE: Received By:
Company: TIME: Company

(4) Relinquished By: DATE: Received By:
Company: TIME: Company

Laboratory Name & Address: _____

Mistakes will be crossed out with a single line in ink and initialed by the author.

One copy of the COC is retained by sampling personnel (notations identifying blind duplicate samples will be added to this copy of the COC but not the others that will go to the laboratory) and the other two copies are put into a sealable plastic bag and taped inside the lid of the shipping cooler. The cooler lid is closed, custody seals provided by the laboratory are affixed to the latch and across the back and front lids of the cooler, and the person relinquishing the samples signs their name across the seal. The seal is taped, and the cooler is wrapped tightly with clear packing tape. It is then relinquished by field personnel to personnel responsible for shipment, typically an overnight carrier. The COC seal must be broken to open the container. Breakage of the seals before receipt at the laboratory may indicate tampering. If tampering is apparent, the laboratory will contact the Project Manager, and the sample will not be analyzed.

5.3 LABORATORY SAMPLE CUSTODY

The Project Manager or Field Team Leader will notify the laboratory of upcoming field sampling activities, and the subsequent shipment of samples to the laboratory. This notification will include information concerning the number and type of samples to be shipped as well as the anticipated date of arrival.

The following laboratory sample custody procedures will be used:

- The laboratory will designate a sample custodian who will be responsible for maintaining custody of the samples, and for maintaining all associated records documenting that custody.
- Upon receipt of the samples, the custodian will check cooler temperature, and check the original COC documents and compare them with the labeled contents of each sample container for correctness and traceability. The sample custodian will sign the COC record and record the date and time received.
- Care will be exercised to annotate any labeling or descriptive errors. In the event of discrepant documentation, the laboratory will immediately contact the Project Manager or Field Team Leader as part of the corrective action process. A qualitative assessment of each sample container will be performed to note any anomalies, such as broken or leaking bottles. This assessment will be recorded as part of the incoming chain-of-custody procedure.
- The samples will be stored in a secured area at a temperature of approximately 4°C until analyses commence.
- A laboratory tracking record will accompany the sample or sample fraction through final analysis for control.

- A copy of the tracking record will accompany the laboratory report and will become a permanent part of the project records.

6.0 CALIBRATION PROCEDURES

6.1 FIELD INSTRUMENTS

All field analytical equipment will be calibrated immediately prior to each day's use. The calibration procedures will conform to manufacturer's standard instructions. This calibration will ensure that the equipment is functioning within the allowable tolerances established by the manufacturer and required by the project. Records of all instrument calibration will be maintained by the Field Team Leader. Copies of all the instrument manuals will be maintained on-site by the Field Team Leader.

Calibration procedures for instruments used for monitoring health and safety hazards (e.g., photoionization detector and explosimeter) are provided in the Health and Safety Plan.

6.2 LABORATORY INSTRUMENTS

The laboratory will follow all calibration procedures and schedules as specified in the sections of the USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods given in Section 7.

7.0 ANALYTICAL PROCEDURES

7.1 INTRODUCTION

Samples will be analyzed according to the USEPA SW-846 "Test Methods for Evaluating Solid Waste," November 1986, 3rd edition and subsequent updates. The methods to be used for the laboratory analysis of water and soil samples are presented in Table 7.1. These methods were selected because they attain the desired quantitation limits, which are compiled on Table 7.1.

TABLE 7.1
PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (mg/L)	MDL(mg/kg)
	Volatile Organics			
1	Methylene Chloride	SW8260B	0.034	0.0028
2	1,1-Dichloroethane	SW8260B	0.0051	0.001
3	Chloroform	SW8260B	0.0051	0.0011
4	Carbon Tetrachloride	SW8260B	0.0034	0.00072
5	1,2-Dichloropropane	SW8260B	0.012	0.00087
6	Dibromochloromethane	SW8260B	0.0034	0.001
7	1,1,2-Trichloroethane	SW8260B	0.0051	0.0013
8	Tetrachloroethene	SW8260B	0.0034	0.001
9	Chlorobenzene	SW8260B	0.0034	0.00064
10	Trichloroflouromethane	SW8260B	0.017	0.0013
11	1,2-Dichloroethane	SW8260B	0.0034	0.00078
12	1,1,1-Trichloroethane	SW8260B	0.0034	0.00092
13	Bromodichloromethane	SW8260B	0.0034	0.0016
14	Trans-1,3-Dichloropropene	SW8260B	0.0034	0.0017
15	Cis-1,3-Dichloropropene	SW8260B	0.0034	0.00082
16	1,1-Dichloropropene	SW8260B	0.017	0.001
17	Bromoform	SW8260B	0.014	0.00083
18	1,1,2,2-Tetrachloroethane	SW8260B	0.0034	0.00076
19	Benzene	SW8260B	0.0034	0.0027
20	Toluene	SW8260B	0.0051	0.0022
21	Ethylbenzene	SW8260B	0.0034	0.0026
f22	Chloromethane	SW8260B	0.017	0.0015
23	Bromomethane	SW8260B	0.0068	0.00089
24	Vinyl Chloride	SW8260B	0.0068	0.0013
25	Chloromethane	SW8260B	0.0068	0.00077
26	1,1-Dichloroethene	SW8260B	0.0034	0.0012
27	Trans-1,2-Dichloroethene	SW8260B	0.0051	0.0014
28	Trichloroethene	SW8260B	0.0034	0.0014
29	1,2-Dichlorobenzene	SW8260B	0.017	0.0017
30	1,3-Dichlorobenzene	SW8260B	0.017	0.0015
31	1,4-Dichlorobenzene	SW8260B	0.017	0.0014
32	Methyl tert butyl ether	SW8260B	0.0068	0.001
33	p/m-Xylene	SW8260B	0.0068	0.0015

TABLE 7.1 (Continued)
PROJECT QUANTITATION LIMITS PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Water (mg/L)	Soil (mg/kg)
	Volatile Organics (cont.)			
34	o-xylene	SW8260B	0.0068	0.0014
35	Cis-1,2-Dichloroethene	SW8260B	0.0034	0.001
36	Dibromomethane	SW8260B	0.034	0.0015
37	Styrene	SW8260B	0.0068	0.0025
38	Dichlorodiflouromethane	SW8260B	0.034	0.0013
39	Acetone	SW8260B	0.034	0.011
40	Carbon disulfide	SW8260B	0.034	0.0013
41	2-Butanone	SW8260B	0.034	0.013
42	Vinyl acetate	SW8260B	0.034	0.0026
43	4-Methyl-2pentanone	SW8260B	0.034	0.0028
44	1,2,3-Trichloropropane	SW8260B	0.034	0.0013
45	2-Hexanone	SW8260B	0.034	0.0014
46	Bromochloromethane	SW8260B	0.017	0.001
47	2,2-Dichloropropane	SW8260B	0.017	0.0027
48	1,2-Dibromoethane	SW8260B	0.014	0.0014
49	1,3-Dichloropropane	SW8260B	0.017	0.0019
50	1,1,1,2-Tetrachloroethane	SW8260B	0.0034	0.0011
51	Bromobenzene	SW8260B	0.017	0.00075
52	n-Butylbenzene	SW8260B	0.0034	0.0011
53	Sec-Butylbenzene	SW8260B	0.0034	0.00094
54	Tert-Butylbenzene	SW8260B	0.017	0.0021
55	0-chlorotoluene	SW8260B	0.017	0.0011
56	p-chlorotoluene	SW8260B	0.017	0.0012
57	1,2-Dibromo-3-chloropropane	SW8260B	0.017	0.0029
58	Hexachlorobutadiene	SW8260B	0.017	0.0016
59	Isopropylbenzene	SW8260B	0.0034	0.00061
60	p-Isopropylbenzene	SW8260B	0.0034	0.00094
61	Naphthalene	SW8260B	0.017	0.0026
62	Acrylonitrile	SW8260B	0.034	0.0013
63	n-Propylbenzene	SW8260B	0.0034	0.00097
64	1,2,3-Trichlorobenzene	SW8260B	0.017	0.0014
65	1,2,4-Trimethylbenzene	SW8260B	0.017	0.0027
66	1,3,5-Trimethylbenzene	SW8260B	0.017	0.0021
67	1,2,4-Trimethylbenzene	SW8260B	0.017	0.002

TABLE 7.1 (Continued)
PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (ug/L)	MDL (ug/kg)
	Volatile Organics (cont.)			
68	1,4-Diethylbenzene	SW8260B	0.014	0.00068
69	4-Ethyltoulene	SW8260B	0.014	0.00033
70	1,2,4,5-Tetramethylbenzene	SW8260B	0.014	0.00062
71	Ethyl ether	SW8260B	0.017	0.0013
72	Trans-1,4-Dichloro-2-butene	SW8260B	0.017	0.0051
	Semivolatile Organics			
1	Acenahpthalene	SW8270C	0.18	0.042
2	1,2,4-Trichlorobenzene	SW8270C	0.22	0.037
3	Hexachlorobenzene	SW8270C	0.14	0.035
4	Bis(2-chloroethyl)ether	SW8270C	0.2	0.043
5	2-Chloronaphthalene	SW8270C	0.22	0.068
6	1,2-Dichlorobenzene	SW8270C	0.22	0.066
7	1,3-Dichlorobenzene	SW8270C	0.22	0.07
8	1,4-Dichlorobenzene	SW8270C	0.22	0.064
9	3,3'-Dichlorobenzidine	SW8270C	0.22	0.081
10	2,4-Dinitrotoluene	SW8270C	0.22	0.06
11	2,6-Dinitrotoluene	SW8270C	0.22	0.074
12	Fluoranthene	SW8270C	0.14	0.029
13	4-Chlorophenyl phenyl ether	SW8270C	0.22	0.031
14	4-Bromophenyl phenyl ether	SW8270C	0.22	0.036
15	Bis(2-chloroisopropyl)ether	SW8270C	0.27	0.072
16	Bis(2-chloroethoxy)methane	SW8270C	0.24	0.051
17	Hexachlorobutadiene	SW8270C	0.22	0.042
18	Hexachlorocyclopentadiene	SW8270C	0.65	0.18
19	Hexachloroethane	SW8270C	0.18	0.032
20	Isophorone	SW8270C	0.2	0.036
21	Naphthalene	SW8270C	0.22	0.072
22	Nitrobenzene	SW8270C	0.2	0.066
23	NitrosoDiPhenylAmine(NDPA/DPA)	SW8270C	0.18	0.056
24	n-Nitrosodi-n-propylamine	SW8270C	0.22	0.063

25	Bis(2-Ethylhexyl)phthalate	SW8270C	0.22	0.047

TABLE 7.1 (Continued)
PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (mg/L)	MDL (mg/kg)
	Semivolatile Organics (cont.)			
26	Butyl benzyl phthalate	SW8270C	0.22	0.063
27	Di-n-butylphthalate	SW8270C	0.22	0.038
28	Di-n-octylphthalate	SW8270C	0.22	0.061
29	Diethyl phthalate	SW8270C	0.22	0.039
30	Dimethyl phthalate	SW8270C	0.22	0.037
31	Benzo(a)anthracene	SW8270C	0.14	0.045
32	Benzo(a)pyrene	SW8270C	0.18	0.054
33	Benzo(b)fluoranthene	SW8270C	0.14	0.036
34	Benzo(k)fluoranthene	SW8270C	0.14	0.035
35	Chrysene	SW8270C	0.14	0.029
36	Acenaphthylene	SW8270C	0.18	0.058
37	Anthracene	SW8270C	0.14	0.03
38	Benzo(ghi)perylene	SW8270C	0.18	0.057
39	Fluorene	SW8270C	0.22	0.041
40	Phananthrene	SW8270C	0.14	0.038
41	Dibenzo(a,h)anthracene	SW8270C	0.14	0.042
42	Indeno(1,2,3-cd)Pyrene	SW8270C	0.18	0.055
43	Pyrene	SW8270C	0.14	0.037
44	Biphenyl	SW8270C	0.51	0.016
45	4-Chloroaniline	SW8270C	0.22	0.024
46	2-Nitroaniline	SW8270C	0.22	0.041
47	3-Nitroaniline	SW8270C	0.22	0.023
48	4-Nitroaniline	SW8270C	0.22	0.051
49	Dibenzofuran	SW8270C	0.22	0.036
50	2-Methylnaphthalene	SW8270C	0.27	0.089
51	1,2,4-Tetrachlorobenzene	SW8270C	0.22	0.066
52	Acetophenone	SW8270C	0.22	0.072
53	2,4,6-Trichlorophenol	SW8270C	0.14	0.041
54	P-chloro-M-Cresol	SW8270C	0.22	0.046
55	2-Chlorophenol	SW8270C	0.22	0.07

TABLE 7.1 (Continued)

PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (mg/L)	MDL (mg/kg)
	Semivolatile Organics (cont.)			
56	2,4-Dinitrophenol	SW8270C	0.2	0.066
57	2,4-Dimethylphenol	SW8270C	0.22	0.034
58	2-Nitrophenol	SW8270C	0.2	0.16
59	4-Nitrophenol	SW8270C	0.49	0.096
60	2,4-Dinitro	SW8270C	0.32	0.35
61	4,6-Dinitro-o-cresol	SW8270C	1.1	0.21
62	Pentachlorophenol	SW8270C	0.59	0.053
63	Phenol	SW8270C	0.18	0.066
64	2-Methylphenol	SW8270C	0.22	0.056
65	3-Methylphenol/4-Methylphenol	SW8270C	0.22	0.097
66	2,4,5-Trichlorophenol	SW8270C	0.32	0.052
67	Benzoic Acid	SW8270C	0.22	0.19
68	Benzyl Alcohol	SW8270C	0.73	0.052
69	Carbazole	SW8270C	0.22	0.032
	PCBs			
1	Aroclor-1016	SW8082	0.0469	0.009
2	Aroclor-1221	SW8082	0.0469	0.014
3	Aroclor-1232	SW8082	0.0469	0.01
4	Aroclor-1242	SW8082	0.0469	0.009
5	Aroclor-1248	SW8082	0.0469	0.006
6	Aroclor-1254	SW8082	0.0469	0.007
7	Aroclor-1260	SW8082	0.0469	0.008
	Metals			
1	Aluminum	SW6010B	10	2.3
2	Antimony	SW6010B	5.2	1
3	Arsenic	SW6010B	1	0.36
4	Barium	SW6010B	1	0.09
5	Beryllium	SW6010B	0.52	0.04
6	Cadmium	SW6010B	1	0.07

TABLE 7.1 (Continued)
PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (mg/L)	MDL (mg/kg)
	Metals (cont.)			
7	Calcium	SW6010B	10	2.3
8	Chromium	SW6010B	1	0.21
9	Cobalt	SW6010B	2.1	0.22
10	Copper	SW6010B	1	1
11	Iron	SW6010B	5.2	1.8
12	Lead	SW6010B	5.2	0.29
13	Magnesium	SW6010B	10	4.7
14	Manganese	SW6010B	1	0.11
15	Mercury	SW7471A	0.1	0.02
16	Nickel	SW6010B	2.6	0.29
17	Potassium	SW6010B	260	84
18	Selenium	SW6010B	2.1	0.34
19	Silver	SW6010B	1	0.17
20	Sodium	SW6010B	210	83
21	Thallium	SW6010B	2.1	0.65
22	Vanadium	SW6010B	1	0.23
23	Zinc	SW6010B	5.2	0.57

TABLE 7.1 (Continued)
PROJECT QUANTITATION LIMITS

	Analysis/Compound	Method	Estimated Quantitation Limits RL (mg/L)	MDL (mg/kg)
	Pesticides			
1	Delta-BHC	SW8081A	0.0029	0.000448
2	Lindane	SW8081A	0.000954	0.000426
3	Alpha-BHC	SW8081A	0.000954	0.000271
4	Beta-BHC	SW8081A	0.00229	0.000868
5	Heptachlor	SW8081A	0.00114	0.000513
6	Aldrin	SW8081A	0.00429	0.000806
7	Heptachlor epoxide	SW8081A	0.00429	0.00129
8	Endrin	SW8081A	0.000954	0.000391
9	Endrin Ketone	SW8081A	0.00229	0.00059
10	Dieldrin	SW8081A	0.00143	0.000715
11	4,4'-DDE	SW8081A	0.00229	0.000529
12	4,4'-DDD	SW8081A	0.00229	0.000816
13	4,4'-DDT	SW8081A	0.0033	0.00184
14	Endosulfan I	SW8081A	0.00229	0.000541
15	Endosulfan II	SW8081A	0.00229	0.000765
16	Endosulfan sulfate	SW8081A	0.000954	0.000436
17	Methoxychlor	SW8081A	0.00429	0.00134
18	Toxaphene	SW8081A	0.0429	0.012
19	Trans-Chlordane	SW8081A	0.00286	0.000756
20	Chlordane	SW8081A	0.0186	0.00758

Notes:

(1) - = No Standard
(2) RL = Reporting Limit
(3) MDL = Minimum Detection Limit
(4) RL and MDL values are taken from representative laboratory reports issued by Alpha Analytical Laboratories
(5) RL and MDL values are estimated and may vary depending on instruments

8.0 DATA REDUCTION, VALIDATION, AND REPORTING

8.1 INTRODUCTION

Data collected during the field investigation will be reduced and reviewed by the laboratory QA personnel, and a report on the findings will be tabulated in a standard format. The criteria used to identify and quantify the analytes will be those specified for the applicable methods in the USEPA SW-846 and subsequent updates. The data package provided by the laboratory will contain all items specified in the USEPA SW-846 appropriate for the analyses to be performed, and be reported in standard format.

The completed copies of the chain-of-custody records (both external and internal) accompanying each sample from time of initial bottle preparation to completion of analysis shall be attached to the analytical reports.

8.2 DATA REDUCTION

The Analytical Services Protocol (ASP) Category B data packages and an electronic data deliverable (EDD) will be provided by the laboratory after receipt of a complete sample delivery group. The Project Manager will immediately arrange for archiving the results and preparation of result tables. These tables will form the database for assessment of the site contamination condition.

Each EDD deliverable must be formatted using a Microsoft Windows operating system and the NYSDEC data deliverable format for EQuIS. To avoid transcription errors, data will be loaded directly into the ASCII format from the laboratory information management system (LIMS). If this cannot be accomplished, the consultant should be notified via letter of transmittal indicating that manual entry of data is required for a particular method of analysis. All EDDs must also undergo a QC check by the laboratory before delivery. The original data, tabulations, and electronic media are stored in a secure and retrievable fashion.

The Project Manager or Task Manager will maintain close contact with the QA reviewer to ensure all non-conformance issues are acted upon prior to data manipulation and assessment routines. Once the QA review has been completed, the Project Manager may direct the Team Leaders or others to initiate and finalize the analytical data assessment.

8.3 DATA VALIDATION

Data validation will be performed in accordance with the USEPA validation guidelines for organic and inorganic data review. Validation will include the following:

- Verification of the QC sample results,
- Verification of the identification of sample results (both positive hits and non-detects),
- Recalculation of 10% of all investigative sample results, and
- Preparation of Data Usability Summary Reports (DUSR).

A DUSR will be prepared and reviewed by the QAO before issuance. The DUSR will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and COC procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. A detailed assessment of each SDG will follow. For each of the organic analytical methods, the following will be assessed:

- Holding times;
- Instrument tuning;
- Instrument calibrations;
- Blank results;
- System monitoring compounds or surrogate recovery compounds (as applicable);
- Internal standard recovery results;
- MS and MSD results;
- Target compound identification;
- Chromatogram quality;
- Pesticide cleanup (if applicable);
- Compound quantitation and reported detection limits;
- System performance; and
- Results verification.

For each of the inorganic compounds, the following will be assessed:

- Holding times;
- Calibrations;
- Blank results;
- Interference check sample;

- Laboratory check samples;
- Duplicates;
- Matrix Spike;
- Furnace atomic absorption analysis QC;
- ICP serial dilutions; and
- Results verification and reported detection limits.

Based on the results of data validation, the validated analytical results reported by the laboratory will be assigned one of the following usability flags:

- "U" - Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank;
- "UJ" - Not detected. Quantitation limit may be inaccurate or imprecise;
- "J" - Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method
- "N" – Tentative identification. Analyte is considered present in the sample;
- "R" – Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample; and
- No Flag - Result accepted without qualification.

9.0 INTERNAL QUALITY CONTROL CHECKS AND FREQUENCY

9.1 QUALITY ASSURANCE BATCHING

Each set of samples will be analyzed concurrently with calibration standards, method blanks, matrix spikes (MS), matrix spike duplicates (MSD) or laboratory duplicates, and QC check samples (if required by the protocol). The MS/MSD samples will be designated by the field personnel. If no MS/MSD samples have been designated, the laboratory will contact the Langan Project Manager for corrective action.

9.2 CALIBRATION STANDARDS AND SURROGATES

All organic standard and surrogate compounds are checked by the method of mass spectrometry for correct identification and gas chromatography for degree of purity and concentration. All standards are traceable to a source of known quality certified by the USEPA or NIST, or other similar program. When the compounds pass the identity and purity tests, they are certified for use in standard and surrogate solutions. Concentrations of the solutions are checked for accuracy before release for laboratory use. Standard solutions are replaced monthly or more frequently, based upon data indicating deterioration.

9.3 ORGANIC BLANKS AND MATRIX SPIKE

Analysis of blank samples verifies that the analytical method does not introduce contaminants or detect "false positives". The blank water can be generated by reverse osmosis and Super-Q filtration systems, or distillation of water containing $KMnO_4$. The matrix spike is generated by addition of surrogate standard to each sample.

9.4 TRIP AND FIELD BLANKS

Trip blanks and field blanks will be utilized in accordance with the specifications in Section 4. These blanks will be analyzed to provide a check on sample bottle preparation and to evaluate the possibility of atmospheric or cross contamination of the samples.

10.0 QUALITY ASSURANCE PERFORMANCE AUDITS AND SYSTEM AUDITS

10.1 INTRODUCTION

Quality assurance audits may be performed by the project quality assurance group under the direction and approval of the QAO. These audits will be implemented to evaluate the capability and performance of project and subcontractor personnel, items, activities, and documentation of the measurement system(s). Functioning as an independent body and reporting directly to corporate quality assurance management, the QAO may plan, schedule, and approve system and performance audits based upon procedures customized to the project requirements. At times, the QAO may request additional personnel with specific expertise from company and/or project groups to assist in conducting performance audits. However, these personnel will not have responsibility for the project work associated with the performance audit.

10.2 SYSTEM AUDITS

System audits may be performed by the QAO or designated auditors, and encompass a qualitative evaluation of measurement system components to ascertain their appropriate selection and application. In addition, field and laboratory quality control procedures and associated documentation may be system audited. These audits may be performed once during the performance of the project. However, if conditions adverse to quality are detected or if the Project Manager requests, additional audits may occur.

10.3 PERFORMANCE AUDITS

The laboratory may be required to conduct an analysis of Performance Evaluation samples or provide proof that Performance Evaluation samples submitted by USEPA or a state agency have been analyzed within the past twelve months.

10.4 FORMAL AUDITS

Formal audits refer to any system or performance audit that is documented and implemented by the QA group. These audits encompass documented activities performed by qualified lead auditors to a written procedure or checklists to objectively verify that quality assurance requirements have been developed, documented, and instituted in accordance with contractual and project criteria. Formal audits may be performed on project and subcontractor work at various locations.

Audit reports will be written by auditors who have performed the site audit after gathering and evaluating all data. Items, activities, and documents determined by lead auditors to be in noncompliance shall be identified at exit interviews conducted with the

involved management. Non-compliances will be logged, and documented through audit findings, which are attached to and are a part of the integral audit report. These audit-finding forms are directed to management to satisfactorily resolve the noncompliance in a specified and timely manner.

The Project Manager has overall responsibility to ensure that all corrective actions necessary to resolve audit findings are acted upon promptly and satisfactorily. Audit reports must be submitted to the Project Manager within fifteen days of completion of the audit. Serious deficiencies will be reported to the Project Manager within 24 hours. All audit checklists, audit reports, audit findings, and acceptable resolutions are approved by the QAO prior to issue. Verification of acceptable resolutions may be determined by re-audit or documented surveillance of the item or activity. Upon verification acceptance, the QAO will close out the audit report and findings.

11.0 PREVENTIVE MAINTENANCE PROCEDURES AND SCHEDULES

11.1 PREVENTIVE MAINTENANCE PROCEDURES

Equipment, instruments, tools, gauges, and other items requiring preventive maintenance will be serviced in accordance with the manufacturer's specified recommendations and written procedure developed by the operators.

A list of critical spare parts will be established by the operator. These spare parts will be available for use in order to reduce the downtime. A service contract for rapid instrument repair or backup instruments may be substituted for the spare part inventory.

11.2 SCHEDULES

Written procedures will establish the schedule for servicing critical items in order to minimize the downtime of the measurement system. The laboratory will adhere to the maintenance schedule, and arrange any necessary and prompt service. Required service will be performed by qualified personnel.

11.3 RECORDS

Logs shall be established to record and control maintenance and service procedures and schedules. All maintenance records will be documented and traceable to the specific equipment, instruments, tools, and gauges. Records produced shall be reviewed, maintained, and filed by the operators at the laboratories. The QAO may audit these records to verify complete adherence to these procedures.

12.0 CORRECTIVE ACTION

12.1 INTRODUCTION

The following procedures have been established to ensure that conditions adverse to quality, such as malfunctions, deficiencies, deviations, and errors, are promptly investigated, documented, evaluated, and corrected.

12.2 PROCEDURE DESCRIPTION

When a significant condition adverse to quality is noted at site, laboratory, or subcontractor location, the cause of the condition will be determined and corrective action will be taken to preclude repetition. Condition identification, cause, reference documents, and corrective action planned to be taken will be documented and reported to the QAO, Project Manager, Field Team Leader and involved contractor management, at a minimum. Implementation of corrective action is verified by documented follow-up action.

All project personnel have the responsibility, as part of the normal work duties, to promptly identify, solicit approved correction, and report conditions adverse to quality. Corrective actions will be initiated as follows:

- When predetermined acceptance standards are not attained;
- When procedure or data compiled are determined to be deficient;
- When equipment or instrumentation is found to be faulty;
- When samples and analytical test results are not clearly traceable;
- When quality assurance requirements have been violated;
- When designated approvals have been circumvented;
- As a result of system and performance audits;
- As a result of a management assessment;
- As a result of laboratory/field comparison studies; and
- As required by USEPA SW-846, and subsequent updates, or by the NYSDEC ASP.

Project management and staff, such as field investigation teams, remedial response planning personnel, and laboratory groups, monitor on-going work performance in the normal course of daily responsibilities. Work may be audited at the sites, laboratories, or contractor locations. Activities, or documents ascertained to be noncompliant with quality assurance requirements will be documented. Corrective actions will be mandated through audit finding sheets attached to the audit report. Audit findings are logged, maintained, and controlled by the Task Manager.

Personnel assigned to quality assurance functions will have the responsibility to issue and control Corrective Action Request (CAR) Forms (Figure 12.1 or similar). The CAR identifies the out-of-compliance condition, reference document(s), and recommended corrective action(s) to be administered. The CAR is issued to the personnel responsible for the affected item or activity. A copy is also submitted to the Project Manager. The individual to whom the CAR is addressed returns the requested response promptly to the QA personnel, affixing his/her signature and date to the corrective action block, after stating the cause of the conditions and corrective action to be taken. The QA personnel maintain the log for status of CARs, confirms the adequacy of the intended corrective action, and verifies its implementation. CARs will be retained in the project file for the records.

Any project personnel may identify noncompliance issues; however, the designated QA personnel are responsible for documenting, numbering, logging, and verifying the close out action. The Project Manager will be responsible for ensuring that all recommended corrective actions are implemented, documented, and approved.

FIGURE 12.1

CORRECTIVE ACTION REQUEST

Number: _____ Date: _____

TO: _____

You are hereby requested to take corrective actions indicated below and as otherwise determined by you to (a) resolve the noted condition and (b) to prevent it from recurring. Your written response is to be returned to the project quality assurance manager by _____

CONDITION:

REFERENCE DOCUMENTS:

RECOMMENDED CORRECTIVE ACTIONS:

_____ _____ _____ _____ _____ _____

Originator Date Approval Date Approval Date

RESPONSE

CAUSE OF CONDITION

CORRECTIVE ACTION

(A) RESOLUTION

(B) PREVENTION

(C) AFFECTED DOCUMENTS

C.A. FOLLOWUP:

CORRECTIVE ACTION VERIFIED BY: _____ DATE:_____

13.0 REFERENCES

USEPA, 1986. SW-846 "Test Method for Evaluating Solid Waste," dated November 1986. U.S. Environmental Protection Agency, Washington, D.C.

Taylor, J. K., 1987. Quality Assurance of Chemical Measurements. Lewis Publishers, Inc., Chelsea, Michigan

USEPA, 1987. Data Quality Objectives for Remedial Response Actions Activities: Development Process, EPA/540/G-87/003, OSWER Directive 9355.0-7- U.S. Environmental Protection Agency, Washington, D.C.

USEPA, 1992a. CLP Organics Data Review and Preliminary Review. SOP No. HW-6, Revision #8, dated January 1992. USEPA Region II.

USEPA, 1992b. Evaluation of Metals Data for the Contract Laboratory Program (CLP) based on SOW 3/90. SOP No. HW-2, Revision XI, dated January 1992. USEPA Region II.

Emily G. Strake

Project Chemist/ Risk Assessor
Environmental Engineering

13 years in the industry

Ms. Strake has thirteen years of environmental chemistry, risk assessment, auditing, and quality assurance experience. Most recently, she has focused her efforts on human health risk assessment, and has been the primary author of risk assessment reports for projects governed under RCRA, DNREC, and MDE. She has experience in site-specific strategy development, which has enabled her to perform assessments to focus areas of investigation and identify risk-based alternatives for reducing remediation costs.

Ms. Strake has extensive experience in environmental data validation, focused on ensuring laboratory deliverables follow specific guidelines as described by regulatory agencies and the analytical methods employed. In addition, she has experience in EQuIS 5.5 chemical database management. She also has a broad range of environmental field experience and maintains current OSHA HAZWOPER certification.

Ms. Strake is experienced in auditing laboratory and field-sampling activities for compliance with Quality Assurance Project Plans (QAPPs), the National Environmental Laboratory Accreditation Conference Standards Quality Systems manual, and applicable USEPA Guidance. Ms. Strake has also audited on-site laboratories in support of groundwater treatment operations and implemented corrective actions. Her responsibilities include writing reports on the value of laboratory work, writing/editing QAPPs for clients and project-specific sites, peer reviewing colleague's work, and mentoring staff within the office. She has also served as the Quality Assurance officer for several long-term projects, responsible for the achievement of all forms of Quality Control/Quality Assurance by onsite personnel relating to sampling, analysis, and data evaluation.

Ms. Strake has several years' experience analyzing investigative samples, writing laboratory Standard Operating Procedures (SOPs), and managing all aspects of procedures and analyses for Optical Emission Spectrometry, X-Ray Fluorescence, Ignition analysis, and Atomic Absorption. Her experience also includes operating and performing routine instrument maintenance for GC/MS and IR. Ms. Strake has worked extensively on developing rapid soil characterization programs for PCB and pesticide analyses utilizing enzyme-linked immunosorbent assays, and was also involved in efforts to develop new instrumentation to quantify microbial nitrification of ammonium.

Selected Project Experience

- Reviewed and validated data packages for RCRA Facilities Investigation at a Philadelphia-area chemical site; issued data validation reports to project personnel and regulatory agencies. The reviews included evaluation of quarterly groundwater, soil, and soil vapor matrices. Participated in RCRA groundwater sampling, developed and executed the investigation's QAPP, and

Education

MBA (in progress)
The University of Scranton

B.Sc., Chemistry
Cedar Crest College

Training

40 hr. OSHA HAZWOPER Training/Nov 2002

8 hr. HAZWOPER Supervisor/June 2004

8 hr. OSHA HAZWOPER Refresher/Oct 2012

American Red Cross First Aid & CPR certified

coordinated with the laboratory to schedule and perform field-sampling events.

- Audited multiple accredited laboratories in New Jersey and Pennsylvania on behalf of clients using USEPA Guidance on Technical Audits and Related Assessments for Environmental Data Operations. The audits included full-suite USEPA and SW-846 methodology; and included reviewing staff experience and training records, equipment and facilities, policies, practices, procedures, and documentation for sample receipt, analysis, instrument maintenance, standard preparation, calibration and traceability, control charting, corrective actions, data reduction and review, report generation, and waste disposal.
- Acted as the Quality Assurance Officer for several long-term projects in Pennsylvania, Maryland, and Delaware, responsible for the achievement of all forms of QA/QC as it related to sampling, analysis, and data evaluation.
- Performed comprehensive human health risk assessment for a petroleum refinery in Delaware City, Delaware. The risk assessment was the basis for a thorough characterization and assessment of potential risks posed by site-specific conditions. Developed various human exposure scenarios by using both Federal and State-Specific guidance.
- Performed human health risk assessment for contamination resulting from a 3.5 million gallon diesel oil tank collapse along the Monongahela River. Evaluated potential impacts to human health via exposure to soil, groundwater, and surface water. Calculated site-specific standards for soil remediation.
- Calculated Medium Specific Concentrations (MSCs) for unregulated contaminants using the PADEP protocols to assist in the clean-up of a monomer tank explosion in Bristol, Pennsylvania.
- Developed human health risk assessment for a utility-owned former Manufactured Gas Plant (MGP) site in Pennsylvania, under Pennsylvania's Act 2 Program. Used ProUCL 4.0 statistical software to determine upper limits for full data sets and non-detect data. Conducted vapor intrusion modeling (via the Johnson & Ettinger model) and prepared vapor intrusion reports showing that risks to volatile organic compounds in soils and groundwater were not impacting indoor air quality.
- Participated in a CERCLA site investigation; assessed the usability of sample results for numerous matrices including dust, sediment, soils, and various aqueous matrices for a remedial investigation under the Contract Laboratory Program. Implemented an on-site pesticide immunoassay program to delineate soil contamination in real-time.
- Conducted vapor intrusion modeling for a dry cleaning facility in the Philadelphia area. Predictive modeling using the Johnson and Ettinger approach indicated that estimated contaminant levels would not adversely affect human receptors.
- EQuIS data manager for database migration of historical groundwater results associated with remediation activities; assisted with natural attenuation data evaluation and gained experience in geochemical trends associated with intrinsic biodegradation.

- Prepared an Act 2 site-specific human health risk assessment for an industrial facility in southeast Philadelphia to determine possible future land-use options under Pennsylvania's Land Recycling Program.
- Coordinated the collection of fish tissue samples and determined the validity of the analytical results associated with CERCLA and RCRA site characterizations. Assessed duck blood analytical results for the Connecticut Department of Environmental Protection Bureau of Natural Resources.

Appendix J
Project Personnel Resumes

Jason J. Hayes, PE, LEED AP

Associate
Environmental Engineering & Project Management

13 years in the industry

Mr. Hayes has 13 years of experience in New York, New Jersey, California, Washington, Oregon and Alaska. His experience includes Environmental Protection Agency (EPA), New York State (NYS) Brownfield's application, investigation, and remediation; New York City Department of Environmental Protection (NYCDEP) and New York City Office of Environmental Remediation (OER) E-designated site application, investigation, and remediation; Phase I and II Environmental Site Assessments; contaminated building cleanup and demolition; Underground Storage Tank (UST) permitting, removal specifications, and closure reporting; soil vapor intrusion investigation and mitigation system design (sub-slab depressurization systems, etc.); development of screening-level groundwater contaminant (volatile organic compounds - VOCs) plume migration models; environmental analysis; and oversight, design and specification generation for remediation operations with contaminants of concern to include polychlorinated biphenyls (PCBs), solvents, mercury, arsenic, petroleum products, asbestos, mold and lead.

Education

M.S., Environmental Engineering
Columbia University

B.Sc., Chemistry, Environmental Toxicology
Humboldt State University

Business Administration (minor)
Humboldt State University

Professional Registration

Professional Engineer (PE) in NY

LEED Accredited Professional (LEED AP)

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Site Supervisor

Affiliations

US Green Building Council, NYC Chapter (USGBC)

Urban Land Institute (ULI)

NAIOP

National Brownfield Partnership

Selected Projects

New York Police Academy, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY
Jacob Javits Convention Center, New York, NY
Yankee Stadium Development, Bronx, NY
Bushwick Inlet Park, Brooklyn, NY
Silvercup West, Queens, NY
29 Flatbush, Brooklyn, NY
Gowanus Village I, Brooklyn, NY
Sullivan Street Hotel, New York, New York
Riker's Island, Co-Generation Plant, Bronx, NY
The Shops at Atlas Park, Glendale, NY
Memorial Sloan-Kettering Cancer Center, New York, NY
Element West 59th Street, New York, NY
Teterboro Airport, Teterboro, NJ
Proposed New York JETS Stadium, New York, NY
Former Con Edison Manufactured Gas Plant (MGP) Sites, New York, NY
7 World Trade Center, New York, NY
Peter Cooper Village, New York, NY

Selected Publications, Reports, and Presentations

NYC Mayor's Office of Environmental Remediation – Big Apple Brownfield Workshop – Presented on Soil Vapor Intrusion Remedies (e.g., SSD Systems, Vapor Barriers, Modified HVAC)

Joseph Good, LEED AP

Senior Staff Engineer
Environmental Engineering

4 years in the industry ~ 4 years with Langan

Mr. Good is a senior staff engineer who has international experience working on environmental projects. He has conducted environmental research on water treatment technology designed to remedy nutrient leaching from agricultural fields and to remove metals from urban stormwater. His consulting experience includes New York State Brownfield investigations, New York City Department of Environmental Protection (NYCDEP) E-designated site application, investigation, and remediations; Phase I and II Environmental Site Assessments; Underground Storage Tank (UST) permitting, removal specifications, and closure reporting; soil vapor intrusion investigation. His field experience includes: subsurface investigations; groundwater, soil, and air sampling programs; monitoring well installations; site surveying; driller supervisions; subcontractor oversights; and waste characterizations.

Selected Projects

Hunters Point Library, Queens, NY
High Line 28-29, New York, NY
19 West 20th Street, New York, NY
504-520 West 34th Street, New York, NY
State University of New York (SUNY) Downstate Medical Center, Brooklyn, NY
New York Aquarium, Brooklyn, NY
627-641 Smith Street, Brooklyn, NY
Silvercup West, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY
Bronx Terminal Market Waterfront Park Development (Yankee Stadium Development), Bronx, NY
Bushwick Inlet Park, Brooklyn, NY
Abraham Joshua Heschel School, New York, NY
The Shops at Atlas Park, Glendale, NY
New Meadowlands Stadium Redevelopment, East Rutherford, NJ

Selected Publications, Reports, and Presentations

Good, J.F., O'Sullivan, A.D., Wicke, D., and Cochrane, T.A, (2012). Contaminant Removal and Hydraulic Conductivity of Laboratory Rain Garden Systems for Stormwater Treatment. Water Science and Technology. DOI: 10.2166/wst.2012.135. **65**(12):2154-2161

Good, J.F. (2011) Water Quality Treatment and Hydraulic Efficacy of Rain Gardens. Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand. Master of Engineering in Civil Engineering.

Education

M.E., Civil and
Natural Resource Engineering
University of Canterbury

B.S., Civil Engineering
University of Illinois

Professional Registration

LEED Accredited Professional
(LEED AP)

40 hr HAZWOPER
10 hr OSHA (Construction)

Affiliations

United States Green Building Council (USGBC)

American Society of Civil Engineers (ASCE)

LANGAN

Good, J.F., O'Sullivan, A.D., Wicke, D., and Cochrane, T.A, (2011). Appreciating Drainage Assets in New Zealand Cities: Rain Garden Treatment and Hydraulic Performance. International Water Association- Cities of the Future Conference, 22-25 May 2011, Stockholm, Sweden.

Emily G. Strake

Project Chemist/ Risk Assessor
Environmental Engineering

13 years in the industry

Ms. Strake has thirteen years of environmental chemistry, risk assessment, auditing, and quality assurance experience. Most recently, she has focused her efforts on human health risk assessment, and has been the primary author of risk assessment reports for projects governed under RCRA, DNREC, and MDE. She has experience in site-specific strategy development, which has enabled her to perform assessments to focus areas of investigation and identify risk-based alternatives for reducing remediation costs.

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B.Sc., Chemistry
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Training

40 hr. OSHA HAZWOPER Training/Nov 2002

8 hr. HAZWOPER Supervisor/June 2004

8 hr. OSHA HAZWOPER Refresher/Oct 2012

American Red Cross First Aid & CPR certified

coordinated with the laboratory to schedule and perform field-sampling events.

- Audited multiple accredited laboratories in New Jersey and Pennsylvania on behalf of clients using USEPA Guidance on Technical Audits and Related Assessments for Environmental Data Operations. The audits included full-suite USEPA and SW-846 methodology; and included reviewing staff experience and training records, equipment and facilities, policies, practices, procedures, and documentation for sample receipt, analysis, instrument maintenance, standard preparation, calibration and traceability, control charting, corrective actions, data reduction and review, report generation, and waste disposal.
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- Prepared an Act 2 site-specific human health risk assessment for an industrial facility in southeast Philadelphia to determine possible future land-use options under Pennsylvania's Land Recycling Program.
- Coordinated the collection of fish tissue samples and determined the validity of the analytical results associated with CERCLA and RCRA site characterizations. Assessed duck blood analytical results for the Connecticut Department of Environmental Protection Bureau of Natural Resources.

Paul McMahon, EIT

Senior Staff Engineer
Environmental Engineering

3 years in the industry

Mr. McMahon is an environmental engineering with experience in water quality modeling and process engineering. He has experience with site investigations, environmental remediation, regulatory compliance, emergency spill response and environmental risk assessment.

Selected Projects

322 West 57th Street, Sheffield Building Emergency Spill Response, New York, NY
Hudson Yards Terra Firma and Hudson Yards Platform, Community Air Monitoring Program, New York, NY
Columbia University Manhattanville Redevelopment, Community Air Monitoring Program, New York, NY
536 West 41st Street, Brownfield Cleanup Program (BCP) Site, New York, NY
Kings Plaza Mall, Chlorinated Solvent and Petroleum Spill Remediation, Brooklyn, NY
44-30 Purves Street, Phase II Environmental Site and Remedial Investigations, Long Island City, NY
1900 Park Avenue, Phase II Environmental Site Investigation and BCP Consulting, New York, NY
Greenpoint Waterfront Development, Phase II Environmental Site Investigation and BCP Consulting, Brooklyn, NY
60 West Street, Phase II Environmental Site Investigation and Indoor Air Quality Analysis, Brooklyn, NY
Kingsbridge Ice Center, Phase II Environmental Site Investigation Bronx, NY
23-10 42nd Road, Brownfield Site, Long Island City, Queens, NY
Pier 57, Spill Response, New York, NY

Education

M.E., Environmental Engineering
Manhattan College

B.S., Civil Engineering
Washington University in St. Louis

Professional Registration

Engineer-in-Training (EIT)

Affiliations

New York Water and Environment Association

LANGAN

Appendix K
Citizen Participation Plan

New York State Department of Environmental Conservation

Brownfield Cleanup Program

Citizen Participation Plan

for

Purves Street Development (Site No. C241164)

44-18 Purves Street and 27-21 44th Drive
Long Island City, NY 11101

August 2014

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2. Citizen Participation Activities 1

3. Major Issues of Public Concern 6

4. Site Information 7

5. Investigation and Cleanup Process 15

Appendix A – Project Contacts and Locations of Reports and Information

Appendix B – Site Contact List

Appendix C – Site Location Map

Appendix D – Brownfield Cleanup Program Process

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Note: The information presented in this Citizen Participation Plan was current as of the date of its approval by the New York State Department of Environmental Conservation (NYSDEC). Portions of this Citizen Participation Plan may be revised during the brownfield site's remedial process.

Applicant: **Purves Development, LLC ("Volunteer")**
Site Name: **Purves Street Development ("site")**
Site Address: **44-18 Purves Street and 27-21 44th Drive**
Site County: **Queens County**
Site Number: **C241164**

1. What is New York's Brownfield Cleanup Program?

New York's Brownfield Cleanup Program (BCP) works with private developers to encourage the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and developed. These uses include recreation, housing, and business.

A brownfield is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination. A brownfield typically is a former industrial or commercial property where operations may have resulted in environmental contamination. A brownfield can pose environmental, legal, and financial burdens on a community. If a brownfield is not addressed, it can reduce property values in the area and affect economic development of nearby properties.

The BCP is administered by the New York State Department of Environmental Conservation (NYSDEC) which oversees Applicants that conduct brownfield site investigation and cleanup activities. An Applicant is a person who has requested to participate in the BCP and has been accepted by NYSDEC. The BCP contains investigation and cleanup requirements, ensuring that cleanups protect public health and the environment. When NYSDEC certifies that these requirements have been met, the property can be reused or redeveloped for the intended use.

For more information about the BCP, go online at: http://www.dec.ny.gov/chemical/8450.html.

2. Citizen Participation Activities

Why NYSDEC Involves the Public and Why It Is Important

NYSDEC involves the public to improve the process of investigating and cleaning up contaminated sites, and to enable citizens to participate more fully in decisions that affect their health, environment, and social well-being. NYSDEC provides opportunities for citizen involvement and encourages early two-way communication with citizens before decision makers form or adopt final positions.

Involving citizens affected and interested in site investigation and cleanup programs is important for many reasons. These include:

- Promoting the development of timely, effective site investigation and cleanup programs that protect public health and the environment;
- Improving public access to, and understanding of, issues and information related to a particular site and that site's investigation and cleanup process;

- Providing citizens with early and continuing opportunities to participate in NYSDEC's site investigation and cleanup process;

- Ensuring that NYSDEC makes site investigation and cleanup decisions that benefit from input that reflects the interests and perspectives found within the affected community; and

- Encouraging dialogue to promote the exchange of information among the affected/interested public, State agencies, and other interested parties that strengthens trust among the parties, increases understanding of site and community issues and concerns, and improves decision-making.

This Citizen Participation (CP) Plan provides information about how NYSDEC will inform and involve the public during the investigation and cleanup of the site identified above. The public information and involvement program will be carried out with assistance, as appropriate, from the Applicant.

Project Contacts

Appendix A identifies NYSDEC, NYSDOH and Applicant representative project contact(s) to whom the public should address questions or request information about the site's investigation and cleanup program. The public's suggestions about this CP Plan and the CP program for the site are always welcome. Interested people are encouraged to share their ideas and suggestions with the project contacts at any time.

Locations of Reports and Information

The locations of the reports and information related to the site's investigation and cleanup program also are identified in Appendix A. These locations provide convenient access to important project documents for public review and comment. Some documents may be placed on the NYSDEC web-site. If this occurs, NYSDEC will inform the public in fact sheets distributed about the site and by other means, as appropriate.

Site Contact List

Appendix B contains the site contact list. This list has been developed to keep the community informed about, and involved in, the site's investigation and cleanup process. The site contact list will be used periodically to distribute fact sheets that provide updates about the status of the project. These will include notifications of upcoming activities at the site (such as fieldwork), as well as availability of project documents and announcements about public comment periods.

The site contact list includes, at a minimum:

- Chief executive officer and planning board chairperson of each county, city, town and village in which the site is located;
- Residents, owners, and occupants of the site and properties adjacent to the site;
- The public water supplier which services the area in which the site is located;
- Any person who has requested to be placed on the site contact list;
- The administrator of any school or day care facility located on or near the site for purposes of posting and/or dissemination of information at the facility; and
- Location(s) of reports and information.

The site contact list will be reviewed periodically and updated as appropriate. Individuals and organizations will be added to the site contact list upon request. Such requests should be submitted to the NYSDEC project contact(s) identified in Appendix A. Other additions to the site contact list may be made at the discretion of the NYSDEC project manager, in consultation with other NYSDEC staff as appropriate.

CP Activities

The table at the end of this section identifies the CP activities, at a minimum, that have been and will be conducted during the site's investigation and cleanup program. The flowchart in Appendix D shows how these CP activities integrate with the site investigation and cleanup process. The public is informed about these CP activities through fact sheets and notices distributed at significant points during the program. Elements of the investigation and cleanup process that match up with the CP activities are explained briefly in Section 5.

- **Notices and fact sheets** help the interested and affected public to understand contamination issues related to a site, and the nature and progress of efforts to investigate and clean up a site.

- **Public forums, comment periods and contact with project managers** provide opportunities for the public to contribute information, opinions and perspectives that have potential to influence decisions about a site's investigation and cleanup.

The public is encouraged to contact project staff at any time during the site's investigation and cleanup process with questions, comments, or requests for information.

This CP Plan may be revised due to changes in major issues of public concern identified in Section 3 or in the nature and scope of investigation and cleanup activities. Modifications may include additions to the site contact list and changes in planned citizen participation activities.

Technical Assistance Grant

NYSDEC must determine if the site poses a significant threat to public health or the environment. This determination generally is made using information developed during the investigation of the site, as described in Section 5.

If the site is determined to be a significant threat, a qualifying community group may apply for a Technical Assistance Grant (TAG). The purpose of a TAG is to provide funds to the qualifying group to obtain independent technical assistance. This assistance helps the TAG recipient to interpret and understand existing environmental information about the nature and extent of contamination related to the site and the development/implementation of a remedy.

An eligible community group must certify that its membership represents the interests of the community affected by the site, and that its members' health, economic well-being or enjoyment of the environment may be affected by a release or threatened release of contamination at the site.

For more information about TAGs, go online at http://www.dec.ny.gov/regulations/2590.html.

Note: The table identifying the citizen participation activities related to the site's cleanup program is included below:

Citizen Participation Requirements (Activities)	Timing of CP Activity(ies)
Application Process: (Complete)	
• Prepare site contact list • Establish document repositories	At time of preparation of application to participate in the BCP.
• Publish notice in Environmental Notice Bulletin (ENB) announcing receipt of application and 30-day public comment period • Publish above ENB content in local newspaper • Mail above ENB content to site contact list • Conduct 30-day public comment period	When NYSDEC determines that BCP application is complete. The 30-day public comment period begins on date of publication of notice in ENB. End date of public comment period is as stated in ENB notice. Therefore, ENB notice, newspaper notice, and notice to the site contact list should be provided to the public at the same time.
After Execution of Brownfield Site Cleanup Agreement:	
• Prepare Citizen Participation (CP) Plan	Before start of Remedial Action
Before NYSDEC Approves Remedial Action Work Plan (RAWP):	
• Distribute fact sheet to site contact list about proposed RWP and announcing 45-day public	Before NYSDEC approves RWP. Forty-five day public comment period begins/ends as per dates

Citizen Participation Requirements (Activities)	Timing of CP Activity(ies)
comment period • Public meeting by NYSDEC about proposed RWP (if requested by affected community or at discretion of NYSDEC project manager) • Conduct 45-day public comment period	identified in fact sheet. Public meeting would be held within the 45-day public comment period.
Before Applicant Starts Cleanup Action:	
• Distribute fact sheet to site contact list that describes upcoming cleanup action	Before the start of cleanup action.
After Applicant Completes Cleanup Action:	
• Distribute fact sheet to site contact list that announces that cleanup action has been completed and that summarizes the Final Engineering Report • Distribute fact sheet to site contact list announcing issuance of Certificate of Completion (COC)	At the time NYSDEC approves Final Engineering Report. These two fact sheets are combined if possible if there is not a delay in issuing the COC.

3. Major Issues of Public Concern

This section of the CP Plan identifies major issues of public concern that relate to the site. Additional major issues of public concern may be identified during the site's cleanup process.

The following major issues of public concern were identified: air quality, health of workers and community, nuisance odors, noise, and construction-related traffic. These issues are of the most concern to adjacent property businesses and residents. These issues will be addressed in the Remedial Work Plan (RWP), a Community Air Monitoring Program (CAMP) and/or a site- specific Health and Safety Program (HASP) for the project to be approved by the NYSDEC prior to work.

The site is located in an Environmental Justice Area. Environmental justice is defined as the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

Environmental justice efforts focus on improving the environment in communities, specifically minority and low-income communities, and addressing disproportionate adverse environmental impacts that may exist in those communities. The Site is also located within an area with a large Hispanic-American population. Therefore, all future fact sheets will be translated into Spanish.

Based on previous investigations, historic use of the property included: garage with a gasoline filling pump island, paper warehouse, photo chemical warehouse, manufacturing warehouse, labs, leather goods business, and a plating equipment business. Lot 4 contains a potential gasoline underground storage tank (UST). In

general, historic use of the site involves the storage, application, and disposal of hazardous substances. Contaminants of concern include chlorinated and petroleum-related volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), polychlorinated biphenyls (PCB), and metals. Contaminants are discussed in further detail in Section 4. The identified contaminants will be remediated to support the redevelopment of the site for residential use using a NYSDEC-approved work plan.

Site information is available through Project Contacts mentioned in Section 2 and Appendix A. The BCP Application, which includes the previous investigations at the site and future reports prepared for the NYSDEC, will be available in the document repository discussed above in Section 2 and in Appendix A. The RWP will include schedules for the planned work To make Citizen Participation Plans (CPPs) as consistent as possible with DER's CP Handbook, Region 2 Public Affairs asks that the Handbook's "Scoping Sheet for Major Issues of Public Concern" be used by applicants/responsible parties to inform their completion of this section of the plan. Because of the high percentage of Environmental Justice Areas in New York City, the Scoping Sheet is a particularly valuable tool in this region. The information that is gained by using a Scoping Sheet may be helpful in determining if future fact sheets need to be translated into other languages. The NYSDEC Scoping Sheet for Major Issues of Public Concern was used to complete this section.

4. Site Information

Site Description

The site is located at 27-21 44th Drive and 44-18 Purves Street in Long Island City, New York. The development plan includes three contiguous tax lots (Tax Block 268, Lots 4, 22, and 23); however, only two tax lots, Lots 4 and 23 are included in the BCP "site". The site is located in an urban area, characterized by commercial and manufacturing buildings and vacant land, on the block bordered by Jackson Avenue to the north, Purves Street to the east, Thomson Avenue to the south, and 44th Drive to the west. The approximately 12,066 square-foot site is developed with a vacant one-story garage/warehouse building with a basement on Lot 4. Lot 23 is vacant and partially covered with a deteriorating concrete slab that has been overgrown with vegetation. The sidewalk elevation along Purves Street (east side of the site) is approximately 8 feet above the Queens Highway Datum. The sidewalk elevation along 44th Drive (west side of site) is approximately 15 feet higher than the sidewalk elevation along Purves Street. There is an egress easement benefiting Lot 4 providing access to Purves Street across Lot 23.

History of Site Use, Investigation, and Cleanup

Available records indicate that the property has been developed since as early as 1889. The site is located in a densely developed urban area. Lot 4 was improved with a one-story building, from at least 1941, that extended east onto off-site Lot 22. The structure on Lot 23 was demolished circa 1970 and the lot has been used for storage or been vacant ever since. Off-site Lot 22 was improved with a multiple-story building between 1924 and 2006.

Historic use of Lot 4 includes a garage with gasoline filling pump island, paper warehouse and photo chemical warehouse. Lot 4 presently may contain a UST beneath the basement of the building. Historic use of Lot 23 and off-site Lot 22 includes manufacturing, labs, leather goods business, and a plating equipment business. In general, historic use of the site involves the storage, application, and disposal of hazardous substances.

Lot 4 was previously subject to NYSDEC review under the Spills Program (Spill No. 1302045, reported on May 29, 2013). Additional detail regarding the spill is included in the previous environmental reports description below. Prior to entry into the NYSDEC BCP, the site was the subject of a number of investigations, which are documented in the following reports:

> • *October 2013 Phase II Subsurface Investigation Report, prepared by Environmental Business Consultants (EBC);*
>
> • *January 13, 2014 Phase I Environmental Site Assessment (ESA) Report, prepared by Langan; and*
>
> • *March 26, 2014 Remedial Investigation (RI) Report, prepared by Langan*

Below is a summary of available environmental reports in chronological order:

<u>October 2013 Phase II Subsurface Investigation Report, provided by EBC</u>

This subsurface investigation was conducted to investigate environmental conditions identified in an October 2011 Phase I ESA prepared by EBC for Lot 4 and to investigate general environmental conditions on Lot 23. The Phase II also included investigation on off-site Tax Block 268, Lot 22 (north of the site). The October 2011 Phase I was not available for review. The Phase II report includes a brief summary of the 2011 Phase I ESA which identifies previous site uses including: a photo chemical warehouse, garage with a gasoline tank, paper warehouse, metal plating facility, welding and repair shop, leather goods building. The suspected gasoline UST on Lot 4 was identified as a Recognized Environmental Concern (REC). REC is a term used to identify environmental liability within the context of a Phase I Environmental Site Assessment.

The Phase II investigation included collection and analysis of soil and groundwater samples. Observations and laboratory results are summarized by media type below.

- Soil – Petroleum staining and odor was identified in the vicinity of the USTs on the southwestern side of Lot 4. Field screening with a photoionization detector (PID) found readings up to 300 ppm. Additionally, elevated concentrations of petroleum VOCs were detected within one soil sample collected adjacent to the tanks; however, only n-propylbenzene was reported above NYSDEC Unrestricted Use Soil Cleanup Objectives (SCO). Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned. Soil samples collected on Lot 23 and off-site Lot 22 identified detections of chlorinated VOCs; however, chlorinated concentrations

were below New York State's unrestricted use SCOs. Metals were not analyzed as part of this investigation.

Groundwater – Chlorinated VOCs were identified in groundwater above New York State groundwater standards. Tetrachloroethene (PCE) concentrations ranged from non-detect on-site along the southwestern portion of the site to 950 µg/L off-site in the northeastern portion of off-site Lot 22. Trichloroethene (TCE) concentrations ranged from non-detect on-site along the southwestern portion of the site to 150 µg/L off-site in the northeastern portion of off-site Lot 22. Additionally, several petroleum VOCs and SVOCs were identified above New York State groundwater standards in the vicinity of the suspected tank in Lot 4.

January 13, 2014 Phase I ESA, prepared by Langan

A Phase I ESA was conducted in accordance with requirements of American Society for Testing and Materials (ASTM) standards. The Phase I ESA report also included investigation on off-site Tax Block 268, Lot 22 (north of the site). The report identified the following RECs:

- REC 1 - Historic Site Use - Historic use of Lot 4 includes a garage with a gasoline tank in 1936; a paper warehouse and photo chemical warehouse in 1947; and an auto body shop from 1977 to at least 2006. Lot 23 and off-site Lot 22 were part of an operation identified as "Controller Manufacturing" between 1936 and 1950. From 1970 through 2006, off-site Lot 22 was identified as a welding and repairs facility with city directory listings that include Rozilda labs, leather goods, plating equipment, manufacturing and Artisan Designs. The historic uses involve the storage, application, and disposal of hazardous substances.

- REC 2 - Documented Site Contamination - Soil and groundwater contaminant concentrations were identified above New York State standards. Elevated soil and groundwater concentrations of petroleum VOCs were detected adjacent to the suspected tank. Additionally, chlorinated VOCs were identified in groundwater.

- REC 3 – NYSDEC Spill and Potential On-Site UST - A gasoline UST is potentially located beneath the Lot 4 building basement. The tank was identified on a 1936 Sanborn map and a previous report indicated the presence of a vent pipe that was traced to a concrete patch in the basement floor. Remnants of a concrete dispenser island were visible immediately behind the garage door. Site constraints prevented a geophysical survey to document the presence of the tank. Petroleum staining, odor and elevated field instrument readings were identified in the vicinity of the potential UST. Elevated concentrations of petroleum VOCs were detected within the impacted soil. Based on these observations and associated analytical data, a spill was called in to NYSDEC and Spill No. 1302045 was assigned.

- REC 4 – Surrounding Property Use - Current and historic uses of the adjoining and/or surrounding properties include gasoline filling stations, manufacturing facilities, auto repair stations/garages with gasoline tanks, iron works, drycleaners,

a chemical laboratory, an oil-burning utility company, and printing facilities. Additionally, two open spills (Spill Numbers 1000528 and 9913082) were identified on properties less than 700 feet from the site. Voluntary Cleanup Program and BCP sites with documented soil and groundwater contamination were identified on surrounding properties. Monitoring wells were identified on surrounding properties, which may indicate past or current environmental monitoring.

March 26, 2014 RI Report, prepared by Langan

The Remedial Investigation (RI) was completed to further investigate potential areas of concern (PAOC) identified at the site. The RI also included investigation on off-site Tax Block 268, Lot 22 (north of the site). Langan completed the RI in two sampling events between December 2 and 13, 2013 and March 7 and 14, 2014. The RI consisted of the following:

- Advancement of ten on-site soil borings (EB02 through EB05 and SB02, and SB05 through SB09) and collection of 23 soil samples, including two duplicate samples
- Advancement of five off-site soil borings (EB01, EB06, SB01, SB03, and SB04) and collection of 11 soil samples
- Collection of eight groundwater samples, including two duplicates, from on-site monitoring wells (MW02, MW06, MW07, and MW09 through MW11)
- Collection of three groundwater samples from off-site monitoring wells (MW01, MW03, and MW08)
- Survey of on-site and off-site groundwater monitoring wells to determine local groundwater flow direction
- Installation of ten on-site soil vapor probes (SV02 through SV11) and collection of ten on-site soil vapor samples and two ambient air samples
- Installation of one off-site soil vapor probe (SV01) and collection of one off-site soil vapor sample

The following findings and conclusions were provided in the RIR (Remedial Investigation Report):

- Urban Fill Impacts – The fill layer contained VOC, PCB, SVOC, and metal exceedances of Unrestricted Use SCOs. SVOC and metal concentrations exceeded Restricted Residential Use SCOs. The VOC was acetone, which is a common lab contaminant and is likely not indicative of soil contamination. The PCB was found only in the northeast corner of the site adjacent to Purves Street. SVOCs and metals were detected at concentrations exceeding the SCOs throughout the fill layer. Anomalously high concentrations of lead exceeding Restricted Residential Use SCOs were identified in fill at 0 to 2 feet bgs and 5 to 10 feet bgs throughout lot 4 and the southwest portion of lot 23. Anomalously high concentrations of chromium exceeding Restricted Residential Use SCOS were identified in shallow site soil/fill (surface grade to approximately 6 feet bgs) in the eastern portion of Lot 4 and western

portion of Lot 23

- Suspected UST and Petroleum Impacted Soil – One suspected UST was identified during the investigation in the western portion of lot 4. Petroleum-impacted material near the suspected UST was identified through field observations (staining, odor, and elevated PID readings) and analytical results.
- Groundwater Impacts – Groundwater VOC, SVOC, metal, and pesticide concentrations exceeded TOGS AWQS.
    - PCE and TCE exceedances were found along the eastern border of the site near Purves Street and are likely related to an off-site source (off-site groundwater concentrations are higher than on-site concentrations).
    - Petroleum related groundwater exceedances were identified in Lot 4 likely associated with the UST and historic site operations (e.g., garage, manufacturing).
    - Metals (with the exception of chromium) and SVOC contaminants in the groundwater likely arise from the quality of the fill material and are related to regional groundwater quality. The chromium exceedance in groundwater is down-gradient of soil samples with chromium exceedances and may be the result of site activities including manufacturing, labs, leather goods business, and plating equipment business.
- Soil Vapor Impacts – Soil vapor sample results show the presence of multiple VOCs above ambient air sample results across the site. The highest concentrations of PCE, TCE, and Benzene, Toluene, Ethylbenzene and Xylene (BTEX) concentrations were identified along the eastern boundary of the site adjacent to Purves Street.

Environmental Summary by Block

On-site Block 268, Lot 4

The following table summarizes maximum concentrations found for the primary contaminants of concern identified in the soil, groundwater, and soil vapor during the RI:

Primary Contaminants of Concern (Block 268, Lot 4)

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
3-methylphenol/4-methylphenonl	**0.38 mg/kg**	No detections	Not analyzed
Benzo(a)anthracene	**8.2 mg/kg**	No exceedances	Not analyzed
Benzo(a)pyrene	**6.6 mg/kg**	**0.15 µg/L**	Not analyzed
Benzo(b)fluoranthene	**7.2 mg/kg**	**0.14 µg/L**	Not analyzed
Benzo(k)fluoranthene	**2.4 mg/kg**	No detections	Not analyzed
Chrysene	**9.4 mg/kg**	No detections	Not analyzed
Dibenzo(a,h)anthracene	**1 mg/kg**	No detections	Not analyzed
Indeno(1,2,3-cd)pyrene	**3.4 mg/kg**	**0.16 µg/L**	Not analyzed
Phenol	**0.48 mg/kg**	**28 µg/L**	Not analyzed

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
Arsenic	**32 mg/kg**	No exceedances	Not analyzed
Barium	**1,100 mg/kg**	No exceedances	Not analyzed
Chromium	**936 mg/kg**	No exceedances	Not analyzed
Copper	**720 mg/kg**	No exceedances	Not analyzed
Iron	No SCO	**24,200 µg/L**	Not analyzed
Lead	**1,800 mg/kg**	No exceedances	Not analyzed
Manganese	**2,300 mg/kg**	**1,920 µg/L**	Not analyzed
Mercury	**2.4 mg/kg**	No detections	Not analyzed
Sodium	No SCO	**314,000 µg/L**	Not analyzed
Zinc	**3,200 mg/kg**	No exceedances	Not analyzed
Dissolved Iron	Not analyzed	**23,600 µg/L**	Not analyzed
Dissolved Manganese	Not analyzed	**1,977 µg/L**	Not analyzed
Dissolved Sodium	Not analyzed	**320,000 µg/L**	Not analyzed
Alpha-BHC	No detections	**0.041 µg/L**	Not analyzed
1,1,1-Trichloroethane	No exceedances	No detections	**7.53 µg/m³**
1,2,4 –Trimethlybenzene	No exceedances	**16 µg/L**	**1.94 µg/m³**
1,3,5-Trimethylbenzene	No detections	No detections	**1.66 µg/m³**
1,3-Butadiene	No detections	No detections	**0.788 µg/m³**
2,2,4-Trimethylpentane	No detections	No detections	**9.29 µg/m³**
2-Butanone	No exceedances	No detections	**133 µg/m³**
2-Hexanone	No detections	No detections	**6.64 µg/m³**
4-Ethyltoluene	No detections	No detections	**1.72 µg/m³**
4-Methyl-2-pentanone	No exceedances	No detections	**5.16 µg/m³**
Acetone	No exceedances	No exceedances	**285 µg/m³**
Benzene	No exceedances	No detections	**25.7 µg/m³**
Bromomethane	No detections	No detections	**0.878 µg/m³**
Carbon Disulfide	No exceedances	No detections	**33 µg/m³**
Carbon Tetrachloride	No detections	No detections	**21 µg/m³**
Chloroform	No exceedances	No detections	**51.3 µg/m³**
Chloromethane	No detections	No detections	**1.35 µg/m³**
Cyclohexane	No detections	No detections	**764 µg/m³**
Ethanol	No detections	No detections	**173 µg/m³**
Ethyl Acetate	No detections	No detections	**4.29 µg/m³**
Ethylbenzene	No exceedances	No detections	**4.11 µg/m³**
Heptane	No detections	No detections	**242 µg/m³**
Isopropanol	No detections	No detections	**6.24 µg/m³**
Isopropylbenzene	No SCO	**19 µg/L**	No detections
Methylene Chloride	No detections	No detections	**33.1 µg/m³**
n-Butylbenzene	No exceedances	**12 µg/L**	No detections
n-Hexane	No detections	No detections	**1060 µg/m³**
n-Propylbenzene	No exceedances	**31 µg/L**	No detections

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
o-Xylene	No SCO	No exceedances	**5.21 µg/m³**
p/m-Xylene	No SCO	No exceedances	**14.4 µg/m³**
Styrene	No detections	No detections	**4.97 µg/m³**
sec-Butylbenzene	No exceedances	**13 µg/L**	No detections
Tertiary butyl Alcohol	No detections	No detections	**4.97 µg/m³**
Tetrachloroethene	No detections	No exceedances	**29.1 µg/m³**
Tetrahydrofuran	No detections	No detections	**4.07 µg/m³**
Toluene	No exceedances	**7.8 µg/L**	**140 µg/m³**
Trichloroethene	No detections	No exceedances	**15.2 µg/m³**

Notes:

1. SCO = NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective
2. TOGS = NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards for Class GA Water
3. Soil vapor analytical results were compared to ambient air collected during each day of sampling

On-site Block 268, Lot 23

The following table summarizes maximum concentrations found for the primary contaminants of concern identified in the soil, groundwater, and soil vapor during the RI:

Primary Contaminants of Concern (Block 268, Lot 23)

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
Chromium	**260 mg/kg**	No exceedances	Not analyzed
Copper	**53 mg/kg**	No exceedances	Not analyzed
Iron	No SCO	**692 µg/L**	Not analyzed
Lead	**260 mg/kg**	No exceedances	Not analyzed
Manganese	No exceedances	**479.6 µg/L**	Not analyzed
Mercury	**1.8 mg/kg**	No detections	Not analyzed
Sodium	No SCO	**27,400 µg/L**	Not analyzed
Zinc	**210 mg/kg**	No exceedances	Not analyzed
Aroclor 1260	**0.287 mg/kg**	No detections	Not analyzed
Dissolved Iron	Not analyzed	**660 µg/L**	Not analyzed
Dissolved Manganese	Not analyzed	**421.4 µg/L**	Not analyzed
Dissolved Sodium	Not analyzed	**27,500 µg/L**	Not analyzed
1,1,1-Trichloroethane	No exceedances	**18 µg/L**	**255 µg/m³**
1,2,4 –Trimethlybenzene	No exceedances	No detections	**42.5 µg/m³**
1,3,5-Trimethylbenzene	No detections	No detections	**37.6 µg/m³**
1,3-Butadiene	No detections	No detections	**26.5 µg/m³**
2,2,4-Trimethylpentane	No detections	No detections	**8.36 µg/m³**
2-Butanone	No exceedances	No detections	**19.6 µg/m³**
2-Hexanone	No detections	No detections	**0.82 µg/m³**

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
4-Ethyltoluene	No detections	No detections	**22.9 µg/m³**
4-Methyl-2-pentanone	No detections	No detections	**27.1 µg/m³**
Acetone	No exceedances	No exceedances	**118 µg/m³**
Benzene	No detections	No detections	**223 µg/m³**
Carbon Disulfide	No detections	No detections	**16.9 µg/m³**
Cis-1,2-Dichloroethene	No exceedances	**26 µg/L**	No detections
Chloroform	No exceedances	No detections	**2.66 µg/m³**
Chloromethane	No detections	No detections	**2.09 µg/m³**
Cyclohexane	No detections	No detections	**24.4 µg/m³**
Ethanol	No detections	No detections	**38.1 µg/m³**
Ethyl Acetate	No detections	No detections	**3.07 µg/m³**
Ethylbenzene	No detections	No detections	**25 µg/m³**
Freon-113	No detections	No detections	**2.07 µg/m³**
Heptane	No detections	No detections	**86.1 µg/m³**
Isopropanol	No detections	No detections	**7.92 µg/m³**
Methylene Chloride	No detections	No detections	**3.61 µg/m³**
n-Hexane	No detections	No detections	**29.4 µg/m³**
o-Xylene	No SCO	No detections	**49.1 µg/m³**
p/m-Xylene	No SCO	No detections	**73.8 µg/m³**
Styrene	No detections	No detections	**9.54 µg/m³**
Tetrachloroethene	No exceedances	**630 µg/L**	**652 µg/m³**
Tetrahydrofuran	No detections	No detections	**4.28 µg/m³**
Toluene	No exceedances	No detections	**953 µg/m³**
Trichloroethene	No exceedances	**59 µg/L**	**54.8 µg/m³**
Trichlorofluoromethane	No detections	No detectioins	**1.64 µg/m³**
Vinyl Chloride	No detections	No detections	**7.49 µg/m³**

Notes:

1. SCO = NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective
2. TOGS = NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards for Class GA Water
3. Soil vapor analytical results were compared to ambient air collected during each day of sampling

Off-site Block 268, Lot 22 and Purves Street, 44th Drive Sidewalks

The following table summarizes maximum concentrations found for the primary contaminants of concern identified in the soil, groundwater, and soil vapor during the RI:

Primary Contaminants of Concern (Off-site Block 268, Lot 22 and Purves Street and 44th Drive Sidewalks)

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
Chromium	No exceedances	**55.55 µg/L**	Not analyzed
Copper	**140 mg/kg**	No exceedances	Not analyzed
Iron	No SCO	**17,400 µg/L**	Not analyzed
Lead	**1,100 mg/kg**	No exceedances	Not analyzed
Manganese	No exceedances	**2626 µg/L**	Not analyzed
Mercury	**0.79 mg/kg**	No detections	Not analyzed
Sodium	No SCO	**211,000 µg/L**	Not analyzed
Zinc	**350 mg/kg**	No exceedances	Not analyzed
Dissolved Chromium	Not analyzed	**59.17 µg/L**	Not analyzed
Dissolved Iron	Not analyzed	**16,400 µg/L**	Not analyzed
Dissolved Manganese	Not analyzed	**2626 µg/L**	Not analyzed
Dissolved Sodium	Not analyzed	**225,000 µg/L**	Not analyzed
1,1,1-Trichloroethane	No detections	**51 µg/L**	**4.27 µg/m³**
1, 2-Dichlorobenzene	No detections	**5.6 µg/L**	Not analyzed
1,3-Dichlorobenzene	No detections	**6 µg/L**	Not analyzed
1,2,4 –Trimethlybenzene	No detections	No detections	**3.5 µg/m³**
1,3,5-Trimethylbenzene	No detections	No detections	**1.32 µg/m³**
2,2,4-Trimethylpentane	No detections	No detections	**10 µg/m³**
2-Butanone	No exceedances	No detections	**41.6 µg/m³**
4-Ethyltoluene	No detections	No detections	**1.26 µg/m³**
4-Methyl-2-pentanone	No detections	No detections	**1.15 µg/m³**
Acetone	**0.2 mg/kg**	No detections	**247 µg/m³**
Benzene	No detections	No detections	**4.34 µg/m³**
Benzo(a)anthracene	**1.1 mg/kg**	No detections	Not analyzed
Benzo(b)fluoranthene	**1.1 mg/kg**	No detections	Not analyzed
Carbon Disulfide	No detections	No detections	**2.09 µg/m³**
Carbon Tetrachloride	No detections	No detections	**1.57 µg/m³**
Chrysene	**1.3 mg/kg**	No detections	Not Analyzed
Chloroform	No exceedances	No detections	**8.99 µg/m³**
cis-1,2-Dichloroethene	No exceedances	1,200 µg/L	No detections
Cyclohexane	No detections	No detections	**5.2 µg/m³**
Ethanol	No detections	No detections	**108 µg/m³**
Ethylbenzene	No detections	No detections	**4.91 µg/m³**
Heptane	No detections	No detections	**9.14 µg/m³**
Indeno(1,2,3-cd)Pyrene	**0.54 mg/kg**	No detections	Not Analyzed
Methyl tert butyl ether	No detections	No detections	**2.33 µg/m³**
Methylene Chloride	No detections	No detections	**21 µg/m³**
n-Hexane	No detections	No detections	**6.1 µg/m³**
o-Xylene	No detections	No detections	**5.39 µg/m³**

Compound	Max. Soil Concentrations	Max. Groundwater Concentrations	Max. Soil Vapor Concentrations
p/m-Xylene	No detections	No detections	**16.2 µg/m³**
Tetrachloroethene	No exceedances	**1,500 µg/L**	No exceedances
Tetrahydrofuran	No detections	No detections	**3.89 µg/m³**
Toluene	No exceedances	**1,500 µg/L**	**27.4 µg/m³**
Trichloroethene	No exceedances	**440 µg/L**	**11.1 µg/m³**
Vinyl Chloride	No detections	**200 µg/L**	No detections

Notes:

1. SCO = NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective
2. TOGS = NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards for Class GA Water
3. Soil vapor analytical results were compared to ambient air collected during each day of sampling

5. Investigation and Cleanup Process

Note: See Appendix D for a flowchart of the brownfield site remedial process.

Application

The Applicant has applied for and been accepted into New York's BCP as a Volunteer. This means that the Applicant was not responsible for the disposal or discharge of the contaminants or whose ownership or operation of the site took place after the discharge or disposal of contaminants. The Volunteer must fully characterize the nature and extent of contamination on-site, and must conduct a qualitative exposure assessment, a process that characterizes the actual or potential exposures of people, fish and wildlife to contaminants on the site and to contamination that has migrated from the site.

The Applicant in its Application proposes that the site will be used for residential and commercial purposes.

To achieve this goal, the Applicant will conduct remedial activities at the site with oversight provided by NYSDEC. The Brownfield Cleanup Agreement executed by NYSDEC and the Applicant sets forth the responsibilities of each party in conducting these activities at the site.

Remedy Selection

When the investigation of the site has been determined to be complete, the project likely would proceed in one of two directions:

1. The Applicant may recommend in its investigation report that no action is necessary at the site. In this case, NYSDEC would make the investigation report available for public comment for 45 days. NYSDEC then would complete its review, make any necessary revisions, and, if

appropriate, approve the investigation report. NYSDEC would then issue a Certificate of Completion or COC (described below) to the Applicant.

or

2. The Applicant may recommend in its investigation report that action needs to be taken to address site contamination. After NYSDEC approves the investigation report, the Applicant may then develop a cleanup plan, officially called a Remedial Action Work Plan. The Remedial Action Work Plan describes the Applicant's proposed remedy for addressing contamination related to the site.

When the Applicant submits a proposed Remedial Work Plan for approval, NYSDEC would announce the availability of the proposed plan for public review during a 45-day public comment period.

Cleanup Action

NYSDEC will consider public comments, and revise the draft cleanup plan if necessary, before approving the proposed remedy. The New York State Department of Health (NYSDOH) must concur with the proposed remedy. After approval, the proposed remedy becomes the selected remedy.

The Applicant may then design and perform the cleanup action to address the site contamination. NYSDEC oversees the activities. When the Applicant completes cleanup activities, it will prepare a Final Engineering Report (FER) that certifies that cleanup requirements have been achieved or will be achieved within a specific time frame. NYSDEC will review the report to be certain that the cleanup is protective of public health and the environment for the intended use of the site. The site contact list will receive a fact sheet that announces the completion of remedial activities and the review of the FER.

Certificate of Completion

When NYSDEC is satisfied that cleanup requirements have been achieved or will be achieved for the site, it will approve the FER. NYSDEC then will issue a COC to the Applicant. The COC states that cleanup goals have been achieved, and relieves the Applicant from future liability for site-related contamination, subject to certain conditions. The Applicant would be eligible to use the remediated site for the approved uses after it receives a COC.

Site Management

Site management is the last phase of the site cleanup program. This phase begins when the COC is issued. Site management may be conducted by the Applicant under NYSDEC oversight, if contamination will remain in place. Site management incorporates any institutional and engineering controls required to ensure that the remedy implemented for the site remains protective of public health and the environment. All significant activities are detailed in a Site Management Plan.

An institutional control is a non-physical restriction on use of the brownfield site, such as a deed restriction that would prevent or restrict certain uses of the remediated site. An institutional control may be used when the remedial action leaves some contamination that makes the site suitable for some, but not all uses.

An engineering control is a physical barrier or method to manage contamination, such as a cap or vapor barrier.

Site management will be conducted by the Applicant as required. NYSDEC will provide appropriate oversight. Site management involves the institutional and engineering controls required for the brownfield site. Examples include: operation of a water treatment plant, maintenance of a cap or cover, and monitoring of groundwater quality. Site management continues until NYSDEC determines that it is no longer needed.

Appendix A
Project Contacts and Locations of Reports and Information

Project Contacts

For information about the site's investigation and cleanup program, the public may contact any of the following project staff:

New York State Department of Environmental Conservation (NYSDEC):

Manfred Magloire
Project Manager
NYSDEC
Division of Environmental Remediation
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101
Phone: 718-482-4078
Email: manfred.magloire@ dec. ny.gov

Jessica Steinberg Albin, Esq.
Project Attorney
NYSDEC
Office of General Counsel
One Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101
Phone 718-482-3103
Email: jessica.albin@ dec.ny.gov

New York State Department of Health (NYSDOH):

Julia Kenny
Project Manager
NYSDOH
Empire State Plaza
Corning Tower, Room 1787
Albany, NY 12237
(800)458-1158 ext. 27860
Email: beei@health.ny.gov

Remedial Engineer and Volunteer's Representative

Jason Hayes, P.E.
Langan Engineering
21 Penn Plaza
360 W 31st Street, 8th Floor
New York, New York 11101
212-479-5427
Email: jahayes@langan.com

Locations of Reports and Information

The facilities identified below are used to provide the public with convenient access to important project documents:

Court Square Library
25-01 Jackson Avenue
Long Island City, NY 11101
(718) 937-2790

Appendix B – Site Contact List

Chief executive officer and official(s) principally involved with relevant zoning and planning matters:

Chief Executive Officer
Mayor Bill de Blasio
City Hall
260 Broadway Avenue
New York, New York 10007

Local Government Officials:

New York City Department of City Planning
Carl Weisbrod, Commissioner
Department of City Planning
22 Reade Street
New York, NY 10007-1216

Queens Borough President
Hon. Melinda Katz
120-55 Queens Boulevard
Kew Gardens, NY 11424

Borough of Queens, Department of Planning and Development
Irving Poy
120-55 Queens Boulevard
Kew Gardens, NY 11424

Public Advocate
Letitia James
1 Centre Street, 15th Floor
New York, NY 10007

Queens County Clerk
Queens County Clerk's Office
88-11 Sutphin Boulevard, 1st Floor
Jamaica, NY 11439

NYC Dept. of Environmental Protection
Emily Lloyd, Commissioner
59-17 Junction Boulevard
Flushing, NY 11373

NYC Mayor's Office of Environmental Coordination
100 Gold Street, 2nd Floor
New York, NY 10038
Attn: Acting Director

Borough of Queens, Department of Planning and Development
John Young
120-55 Queens Boulevard
Kew Gardens, NY 11424

Queens Community Board 2
Joseph Conley, Chair
43-22 50th Street
Woodside, NY 11377
Phone: 718-533-8773

Debra Markell-Kleinert, District Manager
43-22 50th Street
Woodside, NY 11377
Phone: 718-533-8773

Dorothy Morehead
Environmental Committee Chairwoman
Queens Community Board # 2
43-22 50th Street
Woodside, NY 11377
Phone: 718-533-8773

New York State Assemblymember
Hon. Catherine Nolan
41-02 Queens Boulevard, Suite 2B
Sunnyside, NY, 11104

New York State Senator
Hon. Michael Gianaris
21-77 31st Street
Astoria, NY 11102

US Senators
Hon. Kirsten E. Gillibrand
780 Third Avenue, Suite 2601
New York, NY, 10017

Hon. Charles E. Schumer
780 Third Avenue, Suite 2301
New York, NY, 10017

U.S. House of Representatives
Hon. Carolyn Maloney
31-19 Newtown Avenue
Astoria, NY 10128

New York City Councilmember
Hon. Jimmy Van Bramer
47-01 Queens Blvd, Suite 205
Sunnyside, NY, 11104

Local Media Outlets:

Queens Chronicle
62-33 Woodhaven Boulevard
Rego Park, NY 11374-7769

New York Daily News
4 New York Plaza
New York, NY 10004

Hoy Nueva York/El Diario La Prensa
1 MetroTech Center, 18th Floor
Brooklyn, NY 11201

LIC/Astoria Journal
69-60 Grand Avenue
Maspeth, NY 11378

Times-Ledger Newspapers
41-02 Bell Boulevard, 2nd Floor
Bayside, NY 11361

New York Post
1211 Avenue of the Americas
New York, NY 10036

Queens Tribune
150-50 14th Road
Whitestone, NY 11365

Queens Courier
Schneps Publications Inc,
3815 Bell Blvd
Bayside, NY 11361

Western Queens Gazette
42-16 34th Avenue,
Long Island City, NY 11101

NY 1 News
75 Ninth Avenue
New York, NY 10011

Queens Civic Congress
P.O. Box 238
Flushing, NY 11367

The Queensborough Preservation League
20-48 33rd Street
Long Island City, NY 11105

Queens Chamber of Commerce
Jack Friedman, Vice President
75-20 Astoria Blvd, Suite 140
Jackson Heights, NY 11372

Community Environmental Center
Richard M. Cherry, President
43-10 11th Street
Long Island City, NY 11101

Long Island City Business Development Corporation
Gayle Baron, President
27-01 Queens Plaza North, 9th Floor
Long Island City, NY 11101

NYC Dept. of Parks &
Recreation
Attn: Mike Silver,
Commissioner
The Arsenal, Central Park
803 Fifth Avenue
New York, NY
10065

Residents, owners, and occupants of the site and properties adjacent to the site:
The site is owned by Purves Development LLC and is occupied by a vacant one-story garage/warehouse commercial building with basement on Lot 4. Lots 22 and 23 are vacant. Adjacent properties include:

Queens Plaza Automobile Warehouse
27-19 44th Drive
Long Island City, NY 11101
Tel: (718) 786-3333

Mr. Wonton Chinese Restaurant
26-04 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 482-4117

Manny Auto Electric Corp
27-17 44th Drive
Long Island City, NY 11101
Tel: (718) 786-3393

Celestial Voyagers
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (516) 829-1525

Amy Chan, LCSW
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (609) 273-8091

LDNY
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (888) 411-5369

Vismar Inc
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (718) 392-2020

Andalex Group
4531 Court Square
Long Island City, NY 11101
Tel: (718) 361-2622

Yoga Studios 6 LIC
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (718) 361-5515

Zipcar
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (866) 494-7227

Middle College National Consortium
27-28 Thomson Avenue
Long Island City, NY 11101
Tel: (718) 361-1981

Asian Insurance
25-36 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 433-4460

ENC Market
25-36 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 482-8558

Safety Supplies
5 Court Square
Long Island City, NY 11101
Tel: (718) 389-2103

Residents
44-27 Purves Street
Long Island City, NY 11101

AAA Rubber Stamps
26-20 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 361-8087

Phoenix Signs
27-18 44th Drive
Long Island City, NY 11101
Tel: (718) 707-0751

The Burger Garage
25-36 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 392-0424

Nestor Auto Repair Inc
27-01 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 349-1356

Sculpture Center
44-19 Purves Street
Long Island City, NY 11101
Tel: (718) 361-1750

Kodjo Workout
26-26 Jackson Avenue
Long Island City, NY 11101
Tel: (404) 660-5453

Gasgo Petroleum Inc
27-27 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 433-2687

B & R Perfume Cologne
26-36 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 937-1919

Aris Loft
27-28 Thomson Avenue
Long Island City, NY 11101

Terzis Julia K MD
27-28 Thomson Avenue
Long Island City, NY 11101

Young Naturists and Nudists America
27-28 Thomson Avenue
Long Island City, NY 11101

Approved Fire Prevention Corporation
44-16 Purves Street
Long Island City, NY 11101

Jewel Liton LLC
44-46 Purves Street
Long Island City, NY 11101

Dykes Lumber Company
26-16 Jackson Avenue
Long Island City, NY 11101
Tel: (718) 784-3920

45-15 Purves Street LLC
44-15 Purves Street
Long Island City, NY 11101

Resident
26-26 Jackson Avenue #1102
Long Island City, NY 11101

Purves Automobile Repair
44-12 Purves Street
Long Island City, NY 11101

Artisan Designs
44-18 Purves Street
Long Island City, NY 11101

Purves Street Associates, LLC
44-27 Purves Street
Long Island City, NY 11101

Purvis Holdings LLC
44-35 Purves Street
Long Island City, NY 11101

Public Water Supply
The responsibility for supplying water in New York City is shared between the NYC Department of Environmental Protection, the Municipal Water Finance Authority, and the New York City Water Board:

NYCDEP
Emily Lloyd, Commissioner
59-17 Junction Boulevard
Flushing, NY 11373

New York City Municipal Water Finance Authority
255 Greenwich Street, 6th Floor
New York, NY 10007

New York City Water Board
Department of Environmental Protection
59-17 Junction Boulevard, 8th Floor
Flushing, NY 11373

Request for Contact
We are unaware of any requests for inclusion on the contact list.

Schools and Day Care Facilities:

There are no schools or day care facilities located on the site. The following are schools or day care facilities located within ½ mile of the site:

HS For Information Technology (approximately 1,480 feet northwest from the site)
Joseph Reed, Principal
21-16 44th Road
Long Island City, NY 11101
(718) 937-4270

Frank Sinatra High School (approximately 1,300 feet southeast from the site)
Donna Finn, Principal
30-20 Thomson Avenue
Long Island City, NY 11101
(718) 361–9920

Academy for New Americas (approximately 2,000 feet northeast from the site)
Betty Cartagena, Principal
28-04 41 Avenue
Long Island City, NY 11101
(718) 956-4140

Newcomers HS (approximately 2,112 feet northeast from the site)
Orlando Sarmiento, Principal
28-01 41 Avenue
Long Island City, NY 11101
(718) 937-6005

Fiorello H Laguardia Community College (CUNY) (approximately 1,200 feet southeast from the site)
Carolyn Henner Stanchina, Director
31-10 THOMSON AVENUE
Long Island City, NY11101
(718) 482–7200

Middle College HS (approximately 2,000 feet southeast from the site)
Linda Siegmund, Principal
31-10 Thomson Avenue
Long Island City, NY 11101
(718) 392-3330

Robert F. Wagner Jr. (approximately 2,112 feet southeast from the site)
Ann Seifullah, Principal
47-07 30 Place Thomson Avenue
Long Island City, NY 11101
(718) 472-5671

Laguardia Community College Day Care Center (approximately 1,050 feet south from the site)
Sonya Evariste, Director
31-10 Thompson Avenue
Long Island City, NY 11101
(718) 482-5295

YMCA of Greater New York (approximately 2,600 feet east from the site)
Ebony Conley-Young, Executive Director of LIC YMCA
32-23 Queens Boulevard
Long Island City, NY 11101
(718) 392–7932

International High School at LaGuardia Community College (approximately 2,500 feet southeast from the site)
John Starkey, Principal
45-35 Van Dam Street,
Long Island City, NY
11101 (718) 392–3433

CUNY School of Law (approximately 800 feet northwest from the site)
Michelle J. Anderson, Dean
2 Court Square,
Long Island City, NY 11101
(718) 340-4201

Academy of American Studies (approximately 2,200 feet northeast from the site)
W. Bassell, Principal
28-01 41st Avenue
Long Island City, NY 11101
(718) 361-8766

Long Island City Family Daycare (approximately 2,266 feet northeast from the site)
Marcia Madrid, Director
40-34 28th Street
Long Island City, NY 11101
(347) 669-4009

Growing Up Green Charter School (approximately 2,533 feet northeast from the site)
Mathew Greenberg, School Leader & Founder
39-27 28th Street
Long Island City, NY 11101
(347) 642-4306

High School of Applied Communication (approximately 0.2 miles southeast of site)
Daniel Korb
30-20 Thompson Avenue
Long Island City, NY 11101

Academy of Finance and Enterprise (approximately 0.2 miles southeast of site)
Victoria Armano
30-20 Thomson Avenue
Long Island City, NY 11101

Bard High School Early College Queens (approximately 0.2 miles southeast of site)
Valeri J. Thomson
30-20 Thomson Avenue
Long Island City, NY 11101

LaGuardia Community College (approximately 0.2 miles southeast of site)
Dr. Gail O. Mellow
31-10 Thompson Avenue
Long Island City, NY 11101

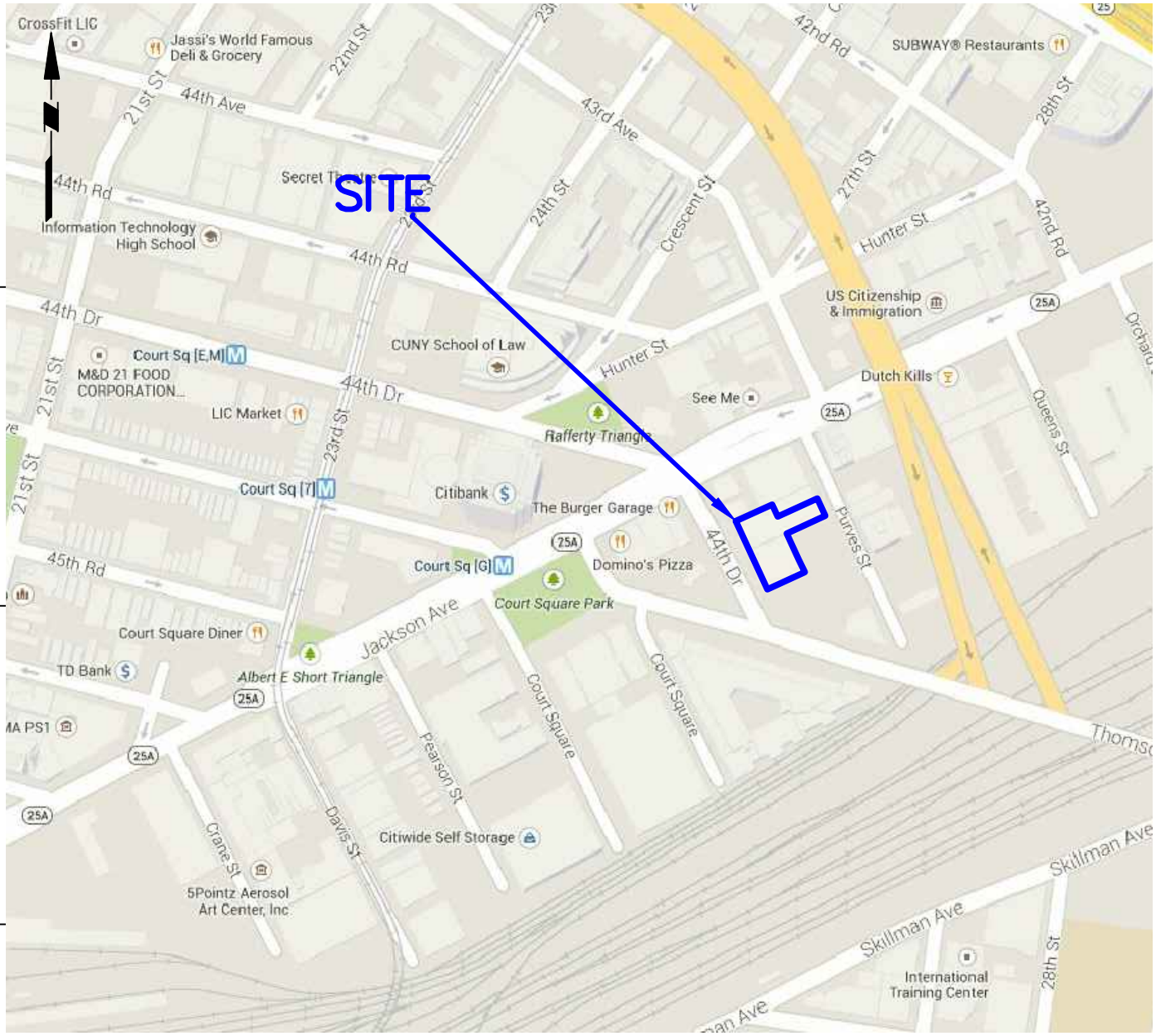
LaGuardia Community College Early Childhood Learning Center (approximately 0.2 miles southeast of site)
Sonya Evariste
31-10 Thomson Avenue
Long Island City, NY 11101

Robert F. Wagner, Jr. Secondary School for Arts & Technology (approximately 0.3 miles southeast of site)
Peggy-Ann Jayne
47-07 30th Place
Long Island City, NY 11101

Long Island City YMCA (approximately 0.4 miles east of site)
Jack Lund
32-23 Queens Boulevard
Long Island City, NY 11101

	A	B	C	D	E	F	G	H	I	J
1										
2	Site Contact List									
3	Site #: C241162									
4	Site Name: 44-18 Purves Street Site			List Last Updated: 7/30/14						
5	Current Occupant	Name, Title	Address 1	Address 2	Address 3	Street Address	City	State	Zip	Site Name (County)
6	Current Occupant	Hon. Bill de Blasio	NYC Mayor			City Hall	New York	NY	10007	44-18 Purves Street Site (Queens)
7	Current Occupant	Hon. Scott Stringer	NYC Comptroller			1 Centre Street	New York	NY	10007	44-18 Purves Street Site (Queens)
8	Current Occupant	Hon. Letitia James	Public Advocate			1 Centre Street	New York	NY	10007	44-18 Purves Street Site (Queens)
9	Current Occupant	Carl Weisbrod	Commissioner, NYC Dept. of City Planning			22 Reade Street	New York	NY	10007	44-18 Purves Street Site (Queens)
10		Emily Lloyd	Commissioner, NYC Dept. of Environmental Protection			59-17 Junction Boulevard	Flushing	NY	11373	44-18 Purves Street Site (Queens)
11		Acting Director	NYC Office of Environmental Coordination			100 Gold Street - 2nd Floor	New York	NY	10038	44-18 Purves Street Site (Queens)
12		John Wuthenow	Office of Environmental Assessment & Planning	NYC Dept. of Environmental Protection		96-05 Horace Harding Expressw	Flushing	NY	11373	44-18 Purves Street Site (Queens)
13		Manfred Magloire	NYSDEC Project Manager			47-40 Hunters Point Plaza	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
14		Thomas V. Panzone	Regional Citizen Participation Specialist	NYSDEC		47-40 Hunters Point Plaza	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
15		Larry Ennist	NYSDEC			625 Broadway	Albany	NY	12233	44-18 Purves Street Site (Queens)
16		Jessica Steinberg Albin	NYSDEC Project Attorney			47-40 Hunters Point Plaza	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
17		Julia Kenney	NYSDOH Project Manager		Empire State Plaza	Corning Tower, Room 1787	Albany	NY	12237	44-18 Purves Street Site (Queens)
18		Hon. Melinda Katz	Queens Borough President			120-55 Queens Boulevard	Kew Gardens	NY	11424	44-18 Purves Street Site (Queens)
19		Irving Poy	NYC Dept. of City Planning, Queens Office			120-55 Queens Boulevard	Kew Gardens	NY	11424	44-18 Purves Street Site (Queens)
20		Queens County Clerk	Queens County Clerk's Office			88-11 Sutphin Boulevard, 1st	Jamaica	NY	11439	44-18 Purves Street Site (Queens)
21		John Young	NYC Dept. of City Planning, Queens Office			120-55 Queens Boulevard	Kew Gardens	NY	11424	44-18 Purves Street Site (Queens)
22		Joseph Conley, Chair	Queens Community Board 2			43-22 50th Street	Woodside	NY	11377	44-18 Purves Street Site (Queens)
23		Debra Markell-Kleinert, District Manager	Queens Community Board 2			43-22 50th Street	Woodside	NY	11377	44-18 Purves Street Site (Queens)
24		Dorothy Morehead	Queens Community Board 2	Environmental Committee Chairwoman		43-22 50th Street	Woodside	NY	11377	44-18 Purves Street Site (Queens)
25		Hon. Catherine Nolan	New York State Assemblymember			41-02 Queens Boulevard, Suit	Sunnyside	NY	11104	44-18 Purves Street Site (Queens)
26		Hon. Michael Gianaris	New York State Senator			21-77 31st Street	Astoria	NY	11102	44-18 Purves Street Site (Queens)
27		Hon. Kirsten E. Gillibrand	U.S. Senators			780 Third Avenue, Suite 2601	New York	NY	10017	44-18 Purves Street Site (Queens)
28		Hon. Charles E. Schumer	U.S. Senators			780 Third Avenue, Suite 2301	New York	NY	10017	44-18 Purves Street Site (Queens)
29		Hon. Carolyn Maloney	U.S. House of Representatives			31-19 Newtown Avenue	Astoria	NY	10128	44-18 Purves Street Site (Queens)
30		Hon. Jimmy Van Bramer	New York City Councilmember			47-01 Queens Blvd, Suite 205	Sunnyside	NY	11104	44-18 Purves Street Site (Queens)
31		NY 1 News				75 Ninth Avenue	New York	NY	11101	44-18 Purves Street Site (Queens)
32		Queens Chronicle				62-33 Woodhaven Boulevard	Rego Park	NY	11374	44-18 Purves Street Site (Queens)
33		New York Daily News				4 New York Plaza	New York	NY	10004	44-18 Purves Street Site (Queens)
34		Hoy Nueva York/El Diario La Prensa				1 MetroTech Center, 18th Floo	Brooklyn	NY	11201	44-18 Purves Street Site (Queens)
35		LIC/Astoria Journal				69-60 Grand Avenue	Maspeth	NY	11378	44-18 Purves Street Site (Queens)
36		Times-Ledger Newspapers				41-02 Bell Boulevard, 2nd Flo	Bayside	NY	11361	44-18 Purves Street Site (Queens)
37		New York Post				1211 Avenue of the Americas	New York	NY	10036	44-18 Purves Street Site (Queens)
38		Queens Tribune				150-50 14th Road	Whitestone	NY	11365	44-18 Purves Street Site (Queens)
39		Queens Courier	Schneps Publications Inc			3815 Bell Blvd	Bayside	NY	11361	44-18 Purves Street Site (Queens)
40		Western Queens Gazette				42-16 34th Avenue	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
41		Queens Civic Congress				P.O. Box 238	Flushing	NY	11367	44-18 Purves Street Site (Queens)
42		The Queensborough Preservation League				20-48 33rd Street	Long Island City	NY	11105	44-18 Purves Street Site (Queens)
43		Jack Friedman, Vice President	Queens Chamber of Commerce			75-20 Astoria Blvd, Suite 140	Jackson Heights	NY	11372	44-18 Purves Street Site (Queens)
44		Community Environmental Center	Richard M. Cherry, President			43-10 11th Street	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
45		Long Island City Business Development Corpor	Gayle Baron, President			27-01 Queens Plaza North, 9th	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
46		NYC Dept. of Parks & Recreation	Attn: Mike Silver, Commissioner	The Arsenal, Central Park		803 Fifth Avenue	New York	NY	10065	44-18 Purves Street Site (Queens)
47		David Brause	Brause Realty, Inc.			52 Vanderbilt Avenue	New York	NY	10017	44-18 Purves Street Site (Queens)
48		Queens Plaza Automobile Warehouse				27-19 44th Drive	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
49		Mr. Wonton Chinese Restaurant				26-04 Jackson Avenue	Long Island City	NY	11101	44-18 Purves Street Site (Queens)
50		Manny Auto Electric Corp				27-17 44th Drive	Long Island City	NY	11101	44-18 Purves Street Site (Queens)

Appendix C – Site Location Map



LEGEND:

SITE BOUNDARY

NOTES:

1. BASE MAP REFERENCED FROM http://maps.google.com ON AUGUST 5, 2014

LANGAN

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

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC

Collectively known as Langan

NJ Electronic Authorization No. 24GA27966400

Project	Purves Street Development
	BLOCK No. 268, LOT Nos. 4 and 23
	QUEENS NEW YORK
Drawing Title	SITE LOCATION MAP
Project No.	170281401
Date	REVISED: 08/08/2014
Scale	NTS
Drawn By	SH
Submission Date	
Drawing No.	1

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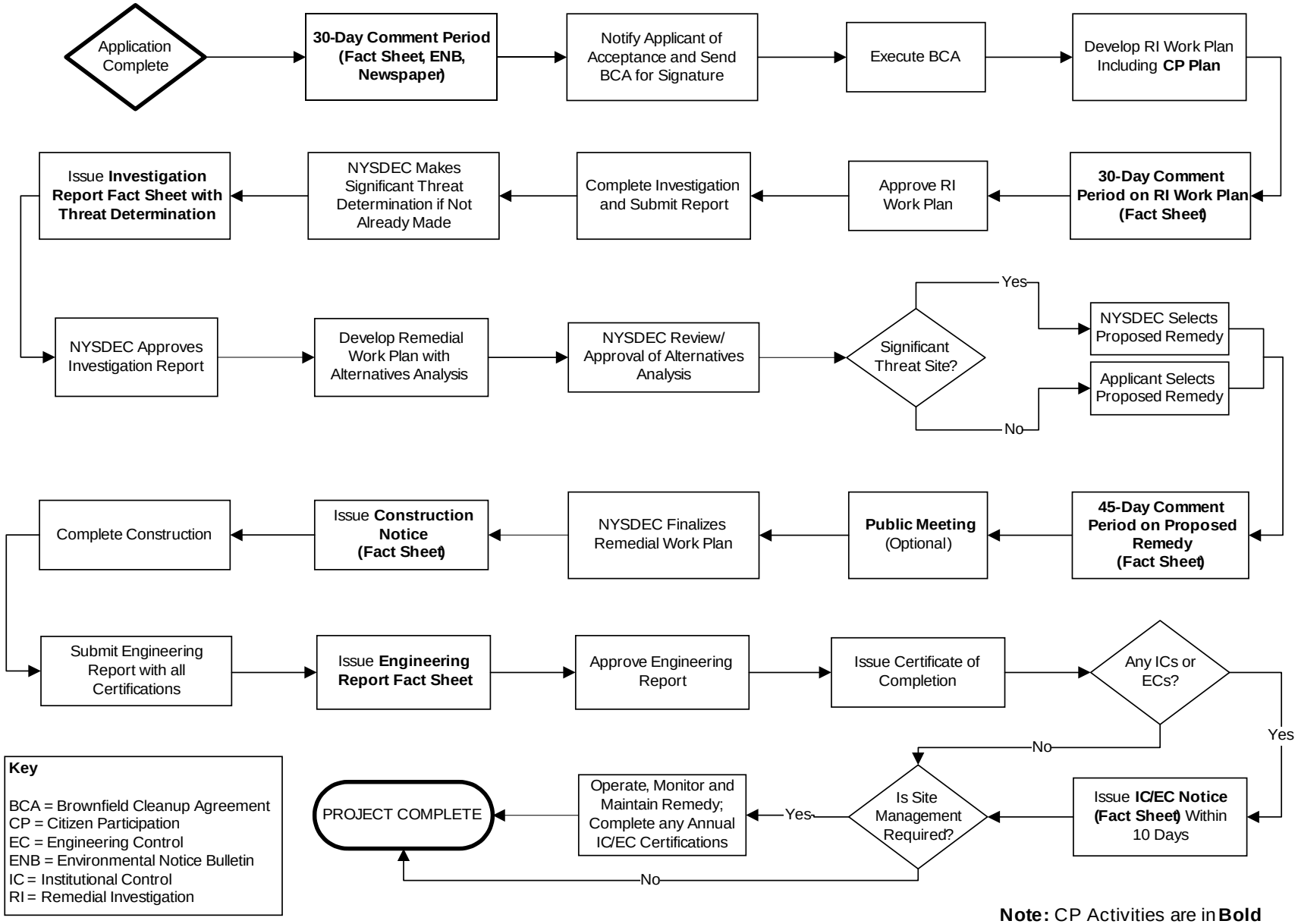
Filename: \\langan.com\data\NY\data4\170281401\Cadd Data - 170281401\2D-DesignFiles\Environmental\CPP\Figure 1 - Site Location Map_Rev.2014.08.05.dwg Date: 8/8/2014 Time: 13:17 User: sharrison Style Table: Langan.stb Layout: ANSIA-BP

Appendix D– Brownfield Cleanup Program Process



Note: CP Activities are in **Bold**

Remedial Programs

Scoping Sheet for Major Issues of Public Concern

Instructions

This Scoping Sheet assesses: major issues of public concern; impacts of the site and its remedial program on the community; community interest in the site; information the public needs; and information needed from the public, if applicable.

The information generated helps to plan and conduct required citizen participation (CP) activities, and to choose and conduct additional CP activities, if appropriate. The scoping sheet can be revisited and updated as appropriate during the site's remedial process to more effectively implement the site's CP program.

Note: Use the information as an aid to prepare and update the Major Issues of Public Concern section of the site CP Plan.

General Instructions

- When to prepare: During preparation of the CP Plan for the site. It can be revisited and updated anytime during the site remedial process.
- Fill in site name and other information as appropriate.

Instructions for Numbered Parts

Consider the bulleted issues and questions below and any others that may be appropriate to the site and the community to help complete the five Parts of this Scoping Sheet. Include the issue stakeholders in Parts 1 through 3 and adjust the site's contact list accordingly.

Part 1. List Major Issues of Public Concern and Information the Community Wants.

- Is our health being impacted? (e.g. Are there problems with our drinking water or air? Are you going to test our water, yards, sumps, basements? Have health studies been done?)
- There are odors in the neighborhood. Do they come from the site and are they hazardous?
- Are there restrictions on what we may do (e.g. Can our children play outside? Can we garden? Must we avoid certain areas? Can we continue to recreate (fish, hunt, hike, etc. on/around the site?)
- How and when were the site's contamination problems created?
- What contaminants are of concern and why? How will you look for contamination and find out where it is going? What is the schedule for doing that?
- The site is affecting our property values!
- How can we get more information (e.g. who are the project contacts?)
- How will we be kept informed and involved during the site remedial process?
- Who has been contacted in the community about site remedial activities?
- What has been done to this point? What happens next and when?
- The site is going to be cleaned up for restricted use. What does that mean? We don't want redevelopment on a "dirty" site.

Part 2. List Important Information Needed From the Community, if Applicable.

- Can the community supplement knowledge about past/current uses of the site?
- Does the community have knowledge that the site may be significantly impacting nearby properties, natural resources, etc.?

- Are there activities currently taking place at the site or at nearby properties that may need to be restricted?
- Who may be interested or affected by the site that has not yet been identified?
- Are there unique community characteristics that could affect how information is exchanged?
- Do the community and/or individuals have any concerns they want monitored?
- Does the community have information about other sources in the area for the contamination?

Part 3. List Major Issues and Information That Need to be Communicated <u>to</u> the Community.

- The process and general schedule to investigate, remediate and, if applicable, redevelop the site.
- Current understanding about the site contamination and effects, if any, on public health and the environment.
- Site impacts on the community and any restrictions on the public's use of the site and/or nearby properties.
- Planned CP activities, their schedule, and how they relate to the site's remedial process.
- Ways for the community to obtain/provide information (document repositories, contacts, etc.).

Part 4. Community Characteristics

a. - e. Obtain information from local officials, property owners and residents, site reports, site visits, "windshield surveys," other staff, etc.

f. Has the affected community experienced other **significant** present or past environmental problems unrelated to this site? Such experiences could significantly affect public concerns and perspectives about the site; how the community will relate to project staff; the image and credibility of project staff within the community; and the ways in which project staff communicate with the community.

g. Consider factors such as:

- Is English the primary language of the affected community? If not, provisions should be considered regarding public outreach activities such as fact sheets, meetings, door-to-door visits and other activities to ensure their effectiveness.

- The age demographics of the community. For example, is there a significant number of senior citizens in the community? It may be difficult for some to attend public meetings and use document repositories. This may suggest adopting more direct interaction with the community with activities such as door-to-door visits, additional fact sheets, visits to community and church centers, nursing homes, etc.

- How do people travel about the community? Would most people drive to a public meeting or document repository? Is there adequate public transportation?

Part 5. Affected/Interested Public. Individuals and organizations who need or want information and input can change during the site's remedial process. This need is influenced by real, potential or perceived impacts of the site or the remedial process. Some people may want information and input throughout the remedial process. Others may participate only during specific remedial stages, or may only be interested in particular issues. It is important to revisit this question when reviewing this scoping sheet. Knowing who is interested in the site – and the issues that are important to them – will help in the selection and conduct of appropriate outreach activities, and to identify their timing and the information to be exchanged.

Check all affected/interested parties that apply to the site. **Note: Adjust the site's contact list appropriately.** The following are some ways to identify affected/interested parties:

- Tax maps of adjacent property owners
- Attendees at public meetings
- Telephone discussions
- Letters and e-mails to DER, the remedial party, and other agencies
- Political jurisdictions and boundaries
- Media coverage
- Current/proposed uses of site and/or nearby properties (recreational, commercial, industrial)
- Discussions with community organizations: grass roots organizations, local environmental groups, environmental justice groups, churches, and neighborhood advisory groups

New York State Department of Environmental Conservation
Division of Environmental Remediation

Remedial Programs
Scoping Sheet for Major Issues of Public Concern (see instructions)

Remedial Party: Purves Development, LLC

Site Name: Purves Street Development

Site Number: C241164

Site County: Queens County

Note: For Parts 1. – 3., the individuals, groups, organizations, businesses, and units of government identified should be added to the site contact list as appropriate.

Part 1. List major issues of public concern and information the community wants. Identify individuals, groups, organizations, businesses, and/or units of government related to the issue(s) and/or information. **Use this information as an aid to prepare or update the Major Issues of Public Concern section of the site Citizen Participation Plan.**
Remediation of soil, groundwater, and soil vapor contamination may have odor and air quality impacts. NYSDEC is overseeing the project to ensure air and odor issues are monitored and mitigated.

How were these issues and/or information identified?
Previous investigation reports identified contaminated soil, groundwater and soil vapor. Potential impacts are typical for remediation projects.

Part 2. List important information needed **from** the community, if applicable. Identify individuals, groups, organizations, businesses, and/or units of government related to the needed information.
No additional information is required from the community at this time.

How were these information needs identified?
Not Applicable

Part 3. List major issues and information that need to be communicated **to** the community. Identify individuals, groups, organizations, businesses and/or units of government related to the issue(s) and/or information.
Information was communicated to the public in the Citizen Participation (CP) Plan. NYSDEC contacts are included in the CP Plan. A repository is established for the public to review site documents (see CP Plan for details).

How were these issues and/or information identified?
Issue identification is the same as Part 1 response. Information communication was established by NYSDEC as part of the NYS Brownfield Cleanup Program remediation.

Part 4. Identify the following characteristics of the affected/interested community. This knowledge will help to identify and understand issues and information important to the community, and ways to effectively develop and implement the site citizen participation plan (mark all that apply):

a. Land use/zoning around site:
☒ **Residential** ☐ **Agricultural** ☐ **Recreational** ☒ **Commercial** ☐ **Industrial**

b. Residential type around site:

☒ **Urban** ☐ **Suburban** ☐ **Rural**

c. Population density around site:
☒ **High** ☐ **Medium** ☐ **Low**

d. Community economic status:
☒ **High** ☒ **Medium** ☐ **Low**

☐ **Yes** ☒ **No**

e. Water supply of nearby residences:
☒ **Public** ☐ **Private Wells** ☐ **Mixed**

f. Other environmental issues significantly impacting affected community?

Provide details if appropriate:
Not Applicable

g. Special considerations:
☐ **Language** ☐ **Age** ☐ **Transportation** ☐ **Other**

Explain marked categories in **g.**:
Not Applicable

Part 5. The site contact list must include, at a minimum, the individuals, groups, and organizations identified in the instructions for **Part 5.** Are other individuals, groups, organizations, and units of government affected by, or interested in, the site, or its remedial program? (Mark and identify all that apply, then adjust the site contact list as appropriate.)

☒ **Non-Adjacent Residents/Property Owners:** Please see Contact List

☒ **Local Officials:** Please see Contact List

☒ **Media:** Please see Contact List

☒ **Business/Commercial Interests:** Please see Contact List

☒ **Labor Group(s)/Employees:** Please see Contact List

☐ **Indian Nation:** Click here to enter text.

☒ **Citizens/Community Group(s):** Please see Contact List

☒ **Environmental Justice Group(s):** Please see Contact List

☒ **Environmental Group(s):** Please see Contact List

☒ **Civic Group(s):** Please see Contact List

☒ **Recreational Group(s):** Please see Contact List

☒ **Other(s):** Please see Contact List

Date Completed: July 9, 2014

Prepared By: Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Reviewed By: Click here to enter text.

Appendix L
Remediation Schedule

Appendix L- Remediation Schedule
27-21 44th Drive and 44-18 Purves Street
Long Island City, New York
Langan Project No. 170281401

No.	Task Name	2014					2015											
		Q3		Q4			Q1			Q2			Q3			Q4		
		AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	NYSDEC Initial Review of RAWP																	
2	Revise RAWP per Initial DEC Comments																	
3	45-day Public Commment Period for RAWP																	
4	DEC Approves RAWP																	
5	Construction Notice Fact Sheet																	
6	Obtain Permits																	
7	RAWP Implementation																	
8	Final Engineering Report (FER) & Site Management Plan																	
9	FER Fact Sheet																	
10	DEC Review and Approve FER and SMP																	
11	Certificate of Completion																	
12	IC/EC Notice Fact Sheet																	
13	Environmental Easement Development/Filing																	
14	Implement SMP (Operations, Maintenance and Annual Inspections)																	

Appendix M
Site Signage Requirements

Site Signage Requirements

The NYSDEC Department has specific requirements for a 4 foot by 8 foot sign to be posted to inform the public about the RA. The detailed NYSDEC requirements for Site signage are provided below.

Signage Instructions

Signs are required at sites where remedial actions are being performed under one of the following remedial programs: State Superfund, VCP, BCP, and Environmental Restoration Program (ERP). They will not be required during the investigation and design phases. The cost of the sign will be borne by the parties performing the remedial action based on the legal document the activities are being performed under (i.e. volunteers/participants would pay 100% of the cost under the BCP; municipalities would pay 100% and then would be reimbursed for the cost under the ERP).

Sign Requirements

Size:	Horizontal format - 96" wide by 48" high	
Construction Materials:	Aluminum or wood blank sign boards with vinyl sheeting.	
Inserts:	"Site Name", "Site Number", "Name of Party Performing Remedial Activities" and "Municipal Executive". Indicate position, size and topography for specific inserts.	
Color Scheme:	Copy surrounding DEC logo - "NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION"	PMS 355
DEC logo:	PMS 301 Blue, PMS 355 Green	
Text:	Program:	PMS 301
	Brownfield Cleanup Program	
	Site Name, Site Number, Party Performing Remedial Activities	PMS 355
	Names of Governor, Commissioner, Municipal Executive	PMS 301
	Transform the Past…..Build for the Future	PMS 355
Type Specifications:	All type is Caslon 540, with the exception of the logotype. Format is: center each line of copy with small caps and initial caps.	
Production Notes:	96" wide x 48" high aluminum blanks will be covered with vinyl sheeting to achieve background color. Copy and logo will be silk screened on this surface.	

Program Name

Site Name
Site Number
Name of Party Performing Remedial Activities

Governor
Commissioner
Municipal Executive

Transform the Past…. Build for the Future